SERVICE MANUAL

AEP Model

Chassis No. SCC-C16A-A



FX CHASSIS

Note: The service manual for RM-681 and SS-XT291 have been issued separately

MODELS OF TH	IE SAME SERIES
KV-FX29TD	

SPECIFICATIONS

Television system Color system Channel coverage B/G/H, I, L

PAL, SECAM, NTSC 4.43, NTSC 3.58

See "Receivable channels and channel displays"

Italy	PAL B/G	AEP P	AL B/G	Cable	TV (2)	French	SECAM-L	PAL-	I Ireland	PAL-	LUK
A	C13	E2	C02	S01	€ 42	2	C02	Α	C01	21	C21
		12	C12	: S05	: ∌346	10	c10				
		21	C21	M1	€001	21	C21				
		69	C69	M10	£ 10	69	C69				
Н	C20		TV (1)	U1	∌ 11		Cable TV				
H1	C11	S1 ;	¥001 ;			B	€) 02	Н	C08		
H2	C12	41	∌ 41	U10	€)20	à	≨)17	7	C09	69	C69

Picture tube

Trinitron tube

Approx. 72.4cm (29 inches)

Approx. 68cm picture mesured diagnally)

110° degree deflection

Input 21-pin connector: C

21-pin connector: CENELEC Standard including RGB input

21-pin connector: S VIDEO

Y:1Vp-p 3dB 75 C:0.3Vp-p 3dB 75

- Continued on page 2 -



TRINITRON® COLOR TV SONY®

Outputs

Headphone jack: stereo minijack

External speaker terminals: 2-pin DIN

Audio output jacks: phono jack...Output level dependent

upon TV settings 20W+20W (music power)

Sound output

Power consumption Dimensions

Supplied accessories

180Wh

Approx. $666 \times 532 \times 526.5$ mm (w/h/d)

Weight Approx. 52kg

RM-681 Remmote Commmander (1)

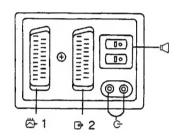
IEC designation R6 batteries (2)

SS-XT291 Detachable Speakers (1 set)

Speaker cord with plug (2)

Design and specifications are subject to change without notice.

21 Pin Connector (1 2)



Pin No	1	2	Signal	Signal level
1	0	0	Audio output B (right)	
2	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
3	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
4	0	0	Ground (audio)	
5	0	0	Ground (blue)	
6	0	0	Audio input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
7	0	•	Blue input	0.7V±3dB, 75ohms, positive
8	0	0	Function select (AV control)	High state (9.5-12 V): Part mode Low state (0-2 V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2 nF
9	0	0	Ground (green)	
10	0	0	Open	
11	0	•	Green	Green signal: 0.7V±3dB, 75ohms, positve
12	0	0	Open	
13	0	0	Ground (red)	
14	0	0	Ground (blanking)	
15	0	-	Red input	0.7V±3dB, 75chms, positive
13	_	0	(S signal) croma input	0.3V±3dB, 75ohms, positive
16	0	•	Blanking input (Ys signal)	High state (1-3 V) Low state (0-0.4 V) Input impedance: 75ohmes
17	0	0	Ground (video output)	
18	0	0	Ground (video input)	
19	0	0	Video output	1V±3dB, 75ohms, positive Sync: 0.3V (-3, +10dB)
20	0	-	Video input	1 V±3dB, 75ohms, positive Sync: 0.3V (-3, +10dB)
	-	0	Video input/Y (S signal)	1 V±3dB, 75ohms, positive Sync: 0.3V (-3, +10dB)
21	0	0	Common ground (plug, sh	nield)

O connected

unconnected (open)

* at 20 Hz-2C kHz

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SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

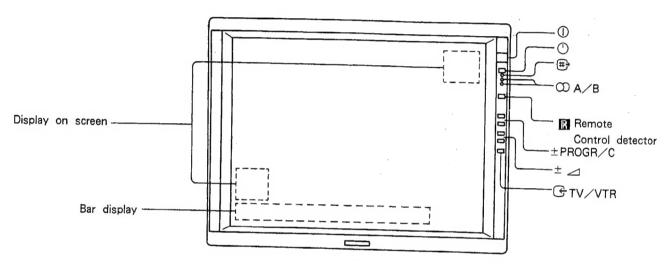
ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

1-1. FEATURES

- New Microblack Trinitron picture tube for a high resolution and high contrast picture.
- S VIDEO INPUT connector through which Y (luminance) and C (chrominance) signals can be input separately. This reduces interference between the signals and ensures excellent picture quality.
- Multi system PAL (B, G, H, I) SECAM (L) can be received.
 And NTSC4.43 and 3.58 with video input can be also received.
- Flicker free function produces clear picture.
- Noise Reduction function
- Frequency synthesiser tuning system
- Detachable speakers
- 21-pin connectors allow direct hook-up to up to two VCRs and/or other equipment.
- Teletext adaptor is built—in.

1-2. FUNCTION OF CONTROLS



On the set

On-screen display

Indicates program numbers, input modes; \bigcirc 1, \bigcirc , \bigcirc 2 and \bigcirc and picture and sound adjustment items. Press \bigcirc on the Rremote Commander to display them on the screen.

Bar display

Indicates the level of the user controls when they are adjusted.

1 Power switch

To cut off the mains electricity supply, press this switch. Ensure correct operation by pressing this switch fully.

tandby indicator

Noise reduction indicator

Stereo A/B indicator

Remote control detector

Point the Remote Commander towards this detector.

PROGR +/- buttons

Use to scan the available channels. And to return to TV mode from standby mode when Remote Commander is not available.

Volume +/- buttons

TV/VIDEO button

Press to select the TV or one of the other input modes.

- ∀1 Video signal through ☼ 1 (21-pin connector) can
 be seen on the screen.
- RGB signal through \$\oplus\$1 (21-pin connector) can be seen on the screen. Sharpness is fixed in this case.
- G2 Video signal through G2 (21 pin connector) can be seen on the screen.
- S video signal through 32 (21-pin connector) can be seen on the screen. When you see S video, make sure that the set is in the S video mode.

S video input

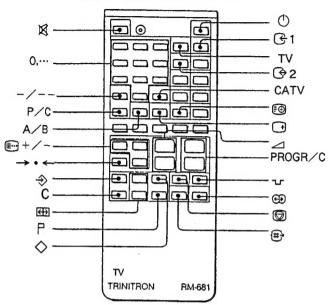
Video signals may be separated into Y (luminance) and C (chrominance) signals.

Usually these two signals are combined in a VTR and output as one signal, and supplied to a TV. Separation of the Y and C signals prevent them from interfering with one another, thereby improving picture quality. This set is equipped with an S video input jack through which these separated signals can be input directly.

Connect the S video output jack on the VTR to the S video input on this set.

Headphones jack (stereo minijack)

(KV-FX29TA, FX29TD RM-681)



On the Remote Commander

M mute button

Use to mute the sound.

0,..., 9, buttons

Use to select a program number.

-/-- button

Use to select a program number over 9. To select 23, press 2, then 2 and 3.

CATV button

Use to select CATV channels.

P/C (program/channel) button

Use to select the channel mode or to return to the program mode.

A/B bilingual button

Press to select channel A (usually the local language) or B (usually the original language) of a bilingual program. Both indicators light up if a stereo program is received.

→ On-screen display button

Press to make the display appear on the screen. And again to make it disappear.

(standby button

Press to turn the set into the standby mode. Use this facility to turn off the set for short periods of time. To return to TV mode, press TV or the program number on the Remote Commander; there will be a slight delay before the picture is restored.

TV button

Press to change to TV mode from standby, video input or teletext modes.

C1 input button

Press to view the input picture coming in through the 🖰 1 connector.

Each time this button is pressed, C1 and C (RGB) will appear alternately.

Press TV or the program number to return to the TV mode.

②2 input button

Press to view the input picture coming in through the 2 connector. 2 and 7 (Y/C) will appear alternately. Press TV or the program number to return to the TV mode.

Time button

In TV mode, press to display the preset time on the screen, and again to make it disappear. This function is available only when the teletext service is broadcast in the selected channel.

+/-, picture and sound adjustment buttons.

There are two ways to use these buttons.

1. When watching a TV program

Press repeatedly until the on-screen display of the required item appears, i. e. picture, color, brightness, in hue, sharpness, bass, treble or balance.

Adjust by pressing + or -.

When presetting TV channels and programs For details please see "To preset channels".

→·← reset button

Press to reset the user controls to the factory-set levels.

→ Preset button

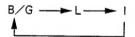
Used when presetting channels.

C clear button

Used when presetting a program to be skipped.

P TV system switch button

Press to select the TV system.



store button

Used when presetting channels.

∠ Volume +/- buttons

PROGR/C +/- buttons

Used to scan the available programs or channels.

e space sound button

Press to obtain special acoustic effects. Press again to restore normal sound. (The indicator on the screen is ...).

moise reduction button

Press to reduce noise on the picture. The indicator on the set lights up.

ு loudness button

Press to enphasize high and low tones. Press again to restore the normal sound. (The indicator on the screen is \dot{x} .)

freeze button

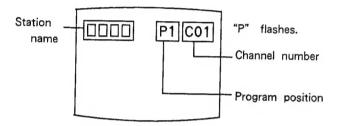
Press to view a still picture. Press again to restore normal picture.

Note Buttons not referred to in this manual do not operate.

1-3. TO PRESET CHANNELS

Use the buttons on the Remote Commander.

- 1. Press (preset).
- 2. Press a number button on the Remote Commander to select a desired program position.

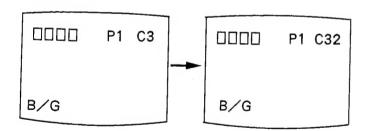


Press P to select the appropriate TV system.
 TV system display changes sequentialy.



4. Press P/C. C starts flashing, then press the desired channel number e. g.

To tune in channel number 32, press 3 and then 2. (To tune in channel number 4, press 0 and then 4.) The display will be as follows.



If you want to name the station,

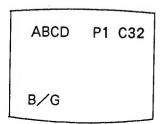
Press . The first column of the station name flashes.

Press + /- to select a desired character.

Press again to make the second column flash, and select a desired character.

Thus four characters can be displayed as desired.

To make the column blank, leave .



When the last column flashes, press . P starts flashing.

To tune in a higher or lower station, press $\bigoplus +/-$. Channel searching starts. Channel number increases or decreases until a TV station is tuned in.

Press

to memorize all the station data displayed on the screen.

Then P starts blinking.

If you want to preset more channels, repeat steps 2 to 5.

6. Press ♦.

To skip a position, press C and \diamondsuit in the preset mode. The position is skipped when program +/- button is presed.

To return to TV mode, press -.

1-4. HOW TO SELECT THE DESIRED CHANNEL

There are two ways to select a channel.

To select by appointing a program number

For direct program tuning for the programs under 10, press 0, 1, 2, 3,...9.

For direct program tuning for the program over 9, press and two number buttons. (e. g. 2 3 and then 2)

For sequential program up/down tuning, press PROGR/C +/-.

To select by appointing a channel position

Press P/C to change into the channel tuning mode. "C " appears on the screen.

For direct channel tuning for the normal channel, press two number buttons sequentially.

(e. g. for channel 2, press 0 and 2)

Note

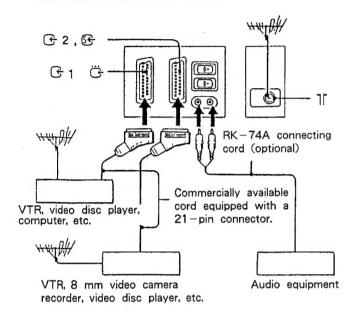
When pressing two number buttons, the second button should be pressed within 5 seconds, otherwise the operation will be cancelled and display will return to the original one.

For sequential channel up/down tuning, press PROGR/C + /-.

1-5. CONNECTING OTHER EQUIPMENT

There are two ways to connect a Video Tape Recorder (VTR).

Connectors on the rear of the set



*Connect S VIDEO output of the VTR, etc. here.

Notes

- Move the VTR away from the TV if the picture or the sound is distored.
- Only one of the VTRs should be turned on at one time.
- It is also possible to connect a VTR using the I socket.
- Computers cannot be connected to 🕒 2.

S video input

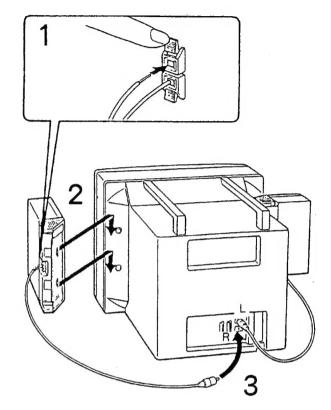
Video signals may be separated into Y (luminance) and C (chrominance) signals. Usually these two signals are combined in a VTR and output as one signal, and supplied to a TV. Separation of the Y and C signals prevent them from interfering with one another, thereby improving picture quality.

This set is equipped with an S video input jack through which these separated signals can be input directly.

Connect the S video output jack on the VTR to the S video input on this set.

1-6. HOW TO ATTACH THE SPEAKERS

- Connect the black cord to the black button on the speaker.
 - Connect the white cord to the red button hole.
- 2. Attach the right and left speakers to the set.
- 3. Connect the left speaker cord to \square L/G/S terminal and the right speaker cord to \square R/D/D terminal on the rear of the set.



1-7. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

Operation

- Select the TV channel for the desired teletext service.
 - When the signal is weak, teletext errors may often occur.
- Press ■/♥ (TEXT/MIX) to display the teletext service.
- 3. Key in the three digits of the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the Remote Commander.

The teletext service can be displayed directly from the standby mode by pressing \bigcirc \bigcirc .

To receive the teletext service of a different TV channel.

- 1. Press TV to return to the TV mode.
- 2. Select the desired TV channel.
- 3. Press / 🕏 .

To request the index page

Press (INDEX). If the necessary signal is not being broadcast, page 100 is displayed.

- To access the next or preceding page.

 Press (PAGE+) or (PAGE-).
- To superimpose the teletext display on the picture

 Press (F) twice from TV mode.

 Press (F) again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.

Press (TEXT CL). This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page from being updated/changed.

Press (HOLD). The HOLD symbol appears on the screen.

To resume normal teletext reception, press 🖹 📝.

To enlarge the teletext display

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display. And press again to return to the normal display.

To reveal concealed information such as answers to a quiz Press (REVEAL).

Press again to conceal the answers.

To watch the TV program while waiting for a requeated page to be displayed

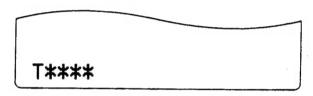
- 1. Request the new page.
- 2. Press to watch the TV program. The requested page number and other data appears at the top of the screen while the page number is being searched for. When the requested page has been captured, the page number on the screen and the other data disappears.



To have a requested page displayed at a pre-determined time

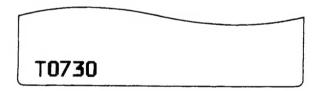
- 1. Request a time coded page (e. g. alarm page).
- 2. Press (TP ON).

"T****" will appear at the bottom of the screen.



3. Enter your request time with the number buttons, using four digits.

For example, 0730.



To watch the TV program until the requested time, press

At the requested time, the page number will be displayed at the bottom of the screen.

To view this page, press 🖹 📝.

To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

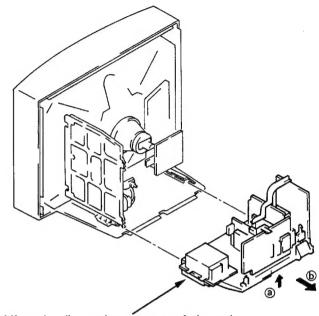
SECTION 2 DISASSEMBLY

(BVTP4×16)

2-1. REAR COVER REMOVAL

① two screws (P4×16) ② One screw

2-2. CHASSIS ASSY REMOVAL

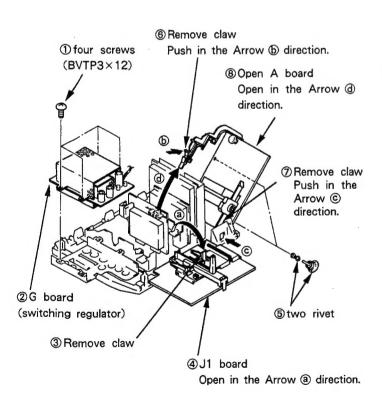


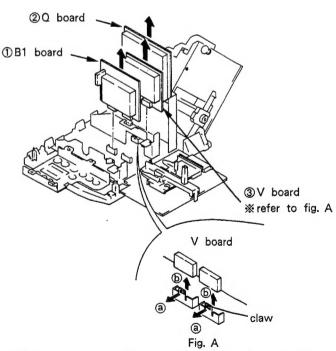
Lift and pull out the rear part of the main chassis toward the rear.

2-3. G BOARD (SWITCHING REGULATOR) REMOVAL AND J1, A BOARDS OPENING

3 four screws (BVTP4×16)

2-4. B1, Q AND V BOARDS REMOVAL

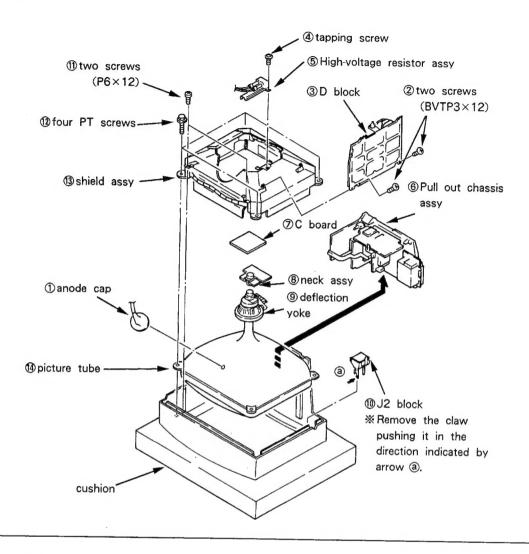




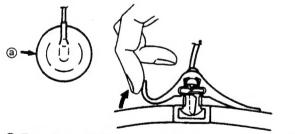
 Pull out V board after removing the two claws on the connector holding V board in place in the direction indicated by arrow ③.

*The operation must be performed after removal of board B1.

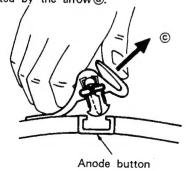
2-5. PICTURE TUBE REMOVAL

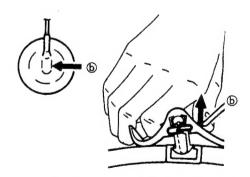


Removing Procedures



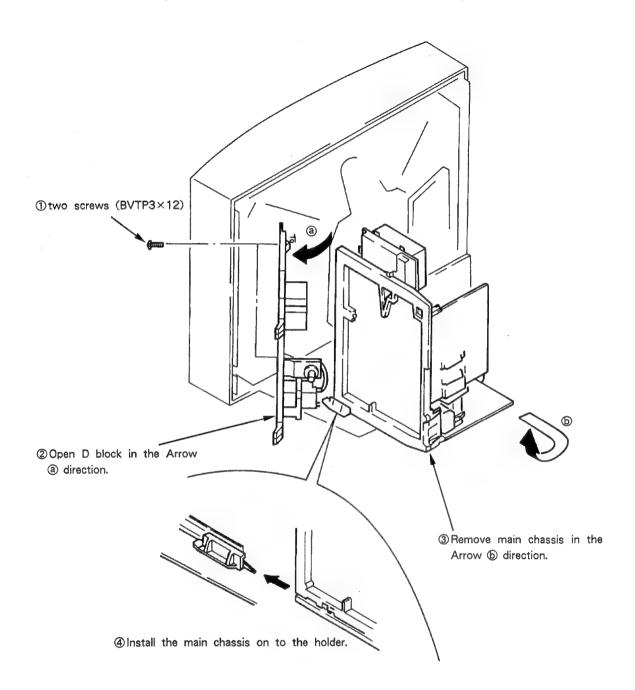
① Turn up one side of the rubber cap in the direction indicated by the arrow@.





- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow .
- When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

2-6. SERVICE POSITION



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted,

The control and switch below should be set as follows unless otherwise noted:

◆ CONTRAST control ······ 80% (or Normal by Commander)

BRIGHTNESS control ··· 50%

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color Bar/Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

- Input a raster signal with the pattern generator.
 CONTRAST BRIGHTNESS normal
- Turn the raster signal of the pattern generator to red.
- 3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1-3-3)
- 4. Move the deflection yoke forward, and adjust so that the entire screen becomes red.(Fig. 3-1)
- 5. Switch over the raster signal to blue and green and confirm the condition.
- When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
- 7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3 4)

Fig. 3-2

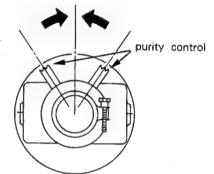


Fig.3-3

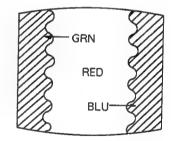


Fig.3-4

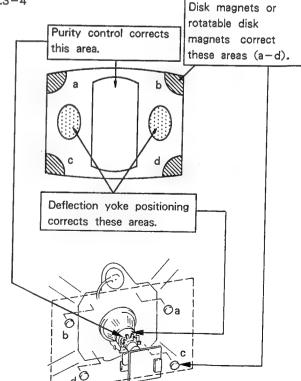
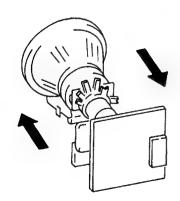


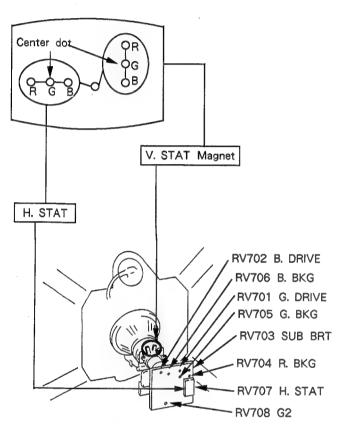
Fig.3-1



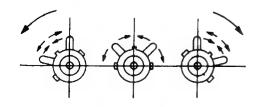
3-2. CONVERGENCE

Preparation:

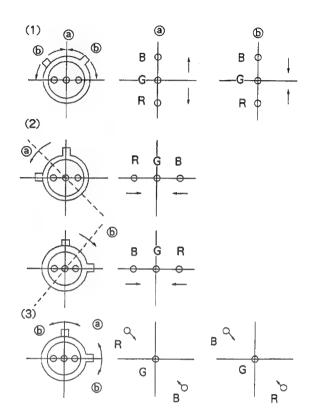
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments,
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.
- (1) Horizontal and Vertical Static Convergence



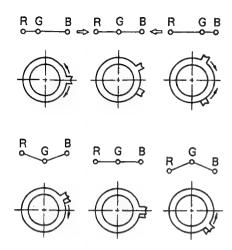
- Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
- 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V, STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.

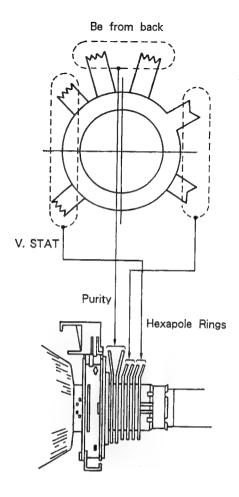


Operation of Hexapole Ringed Magnet



The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.

Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

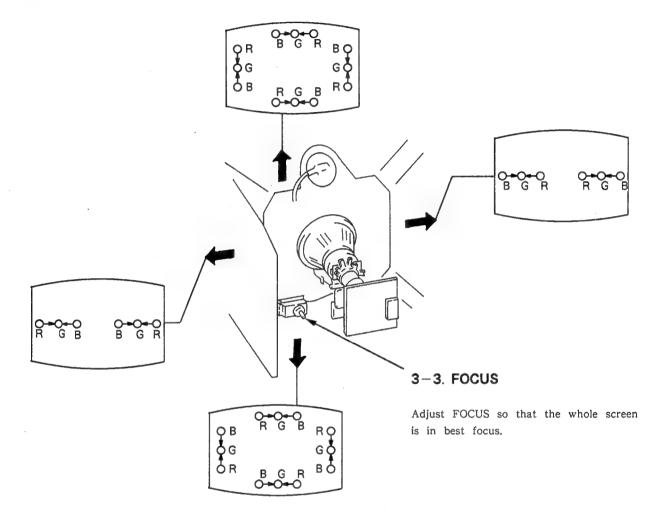


(2) Dynamic Convergence Adjustment

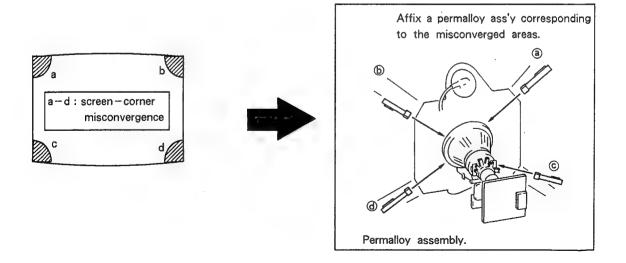
Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment..
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.

- Move the deflection yoke for best convergence as shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



(3) Screen - corner Convergence



3-4. WHITE BALANCE

(Screen (G2) Setting)

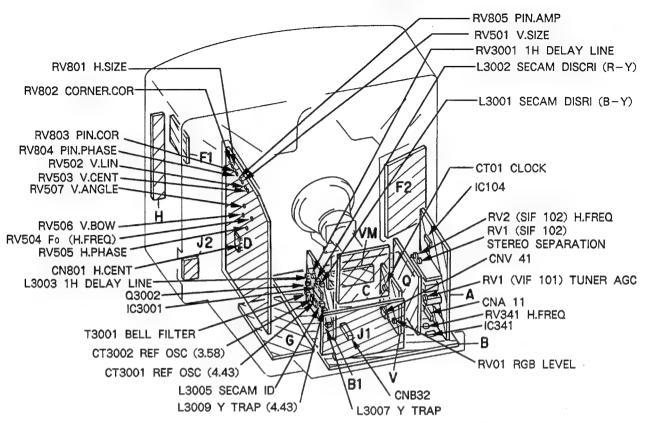
- 1. Input dot signals.
- 2. Set the picture BRIGHTNESS control to the minimum level.
- 3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
- While watching the picture, adjust the G2 volume (RV708) immediately before the fly-back line disappears,

(White Balance Adjustment)

- 1. Input all-white signals.
- 2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
- 3. Adjust the highlight W/B balance by turning the RV702 (B. DRIVE) and RV701 (G DRIVE). Also, adjust the cut—off W/B by turning RV706 (B-BKG), RV705 (G-BKG) and RV704 (R-BKG). Note that these two balances must be adjusted during tracking.

In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified,

SECTION 4 CIRCUIT ADJUSTMENTS



4-1. A BOARD ADJUSTMENTS

TUNER AGC Adjustment VIF101 (IFG389FS) RV1

- 1. Tune in an off-air signal.
- Adjust RV1 so that snow-noise and crossmodulation just disappear from the picture.

STEREO SEPARATION Adjustment SIF102 (IFG5,5S) RV1

- 1. Input stereo signal (L-CH 1kHz, R-CH 400Hz)
- 2. Check the stereo indicator.
- Connect an oscilloscope to the pin ① (L) of CNA11 through band pass filter of 1kHz.
- Adjust RV1 so that 1kHz voltage goes down to the minimum.

H. FREQ. Adjustment SIF102 (IFG5.5S) RV2

- 1. Input PAL COLOR pattern.
- 2. Short circuit between pin ② of IC4 (TDA2595) and ground.
- 3. Connect a frequency counter to the pin (6) through a probe of 10:1.
- 4. Adjust RV2 so that H. frequency becomes 15.625±50Hz. 15.625±50Hz.

4-2. B BOARD ADJUSTMENTS

H. FREQ Adjustment (RV341)

- 1. Input a PAL COLOR BAR pattern.
- 2. Connect pin 12 of IC341 to the ground,
- 3. Connect the frequency counter to pin (6) using the 10:1 ratio probe.
- Adjust RV341 so that frequency H becomes 15.625±50Hz.

4-3. B1 BOARD ADJUSTMENTS

REF OSC Adjustment (CT3001, 4,43 MHz)

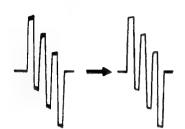
- 1. Input a PAL COLOR BAR pattern.
- Short circuit between pin ① of IC3001 and ground.
- 3. Adjust CT3001 to obtain color synchronization.
- 4. Remove the jumper wire from IC3001.

REF OSC Adjustment (CT3002, 3.58 MHz)

- 1. Input NTSC3.58 COLOR BAR signal.
- 2. Short-circuit pin @ of IC3001 and the ground.
- 3. Adjust CT3002 to obtain color synchronization.
- 4. Remove the jumper of IC3001.

1H DELAY LINE Adjustment (L3003, RV3001)

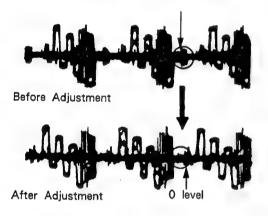
- 1. Input a PAL COLOR BAR pattern.
- Connect the oscilloscope to pin (3) (B-Y) of IC3001 and observe the waveform of the H block on the oscilloscope.
- Adjust L3003 to minimize the double waveform outline,



Before Adjustment After Adjustment

- 4. Input a PAL TEST COLOR BAR pattern.
- Rotate the RV3001 and adjust till the ANT PAL part of the waveform matches the 0 level.

This part matches the 0 level.



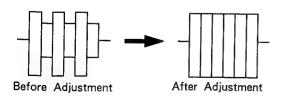
6. L3003 and RV3001 affect each other, so repeat till the conditions of both are met.

SECAM ID Adjustment (L3005)

- 1. Input SECAM COLOR BAR signal.
- Connect a Digital Multi meter at pin
 of IC3001.
- Adjust L3005 so that the indicater goes up to the maximum.

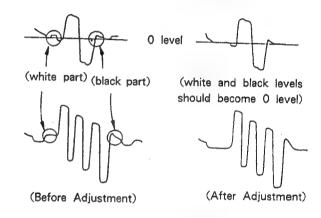
BELL FILTER Adjustment (T3001)

- 1. Input SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope to the Q3002 emitter.
- 3. Adjust T3001 so that the waveform becomes flat.



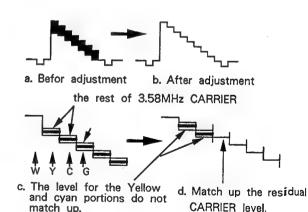
SECAM DISCRI Adjustment (L3002 (R-Y), L3001 (B-Y))

- 1. Input SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope at pin ① of IC3001,
- 3. Adjust L3002 (R-Y) so that white and black part of the waveform of pin ① becomes 0 level.
- 4. Connect an oscilloscope at pin 3 of IC3001.
- Adjust L3001 (B-Y) so that white and black part of the waveform of pin 3 becomes 0 level,



Y TRAP (L3007 4.25 MHz, L3009 4.43 MHz)

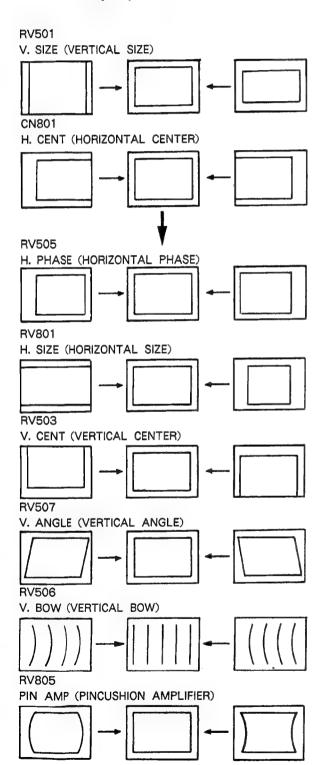
- 1. Input PAL COLOR BAR pattern.
- Connect the oscilloscope to the Y-OUT terminal of CNB32 pin[®] to display the waveform for the H portion.
- 3. Adjust L3009 to minimize the CARRIER level.
- Convert the input signal into NTSC COLOR BAR pattern.
- Cancel the forced PAL MODE and set the forced NTSC MODE,
- Adjust L3007 while observing if the signal portions for the CARRIER level for DR (3.58 MHz).

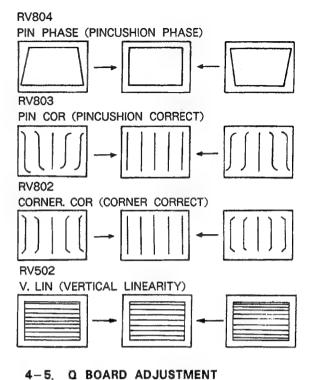


4-4. D BOARD ADJUSTMENTS

H. FREQ Adjustment (RV504)

- 1. Input PAL COLOR BAR.
- Connect 100/16 chemical condenser between pin
 of IC501 and the GND.
- 3. Connect the frequency counter probe to C824.
- 4. Adjust RV504 so that ± 31.25 Hz is obtained for 2H the frequency.





- H. FREQ Adjustment
- 1. Input PAL COLOR BAR pattern.
- 2. Connect pin (4) of CNQ44 (H SYNC) to the GND.
- 3. Turn the core of L1312 to adjust the position where the screen flows slowly.



4-6. V BOARD ADJUSTMENTS

Clock Adjustment (CT01)

- 1. Disconnect the pins 2 and 3 of CNV01,
- 2. Set up the TELE TEXT mode.
- 3. Adjust CT01 to stop pictures from scrolling.

RGB Level Adjustment (RV01)

- 1. Set PICTURE to maximum.
- Adjust RV01 till the RGB output becomes maximum.

4-7. SUB ADJUSTMENTS

SUB BRIGHTNESS Adjustment

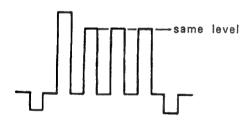
- 1. Receive and display a TEST COLOR BAR pattern.
- 2. Push $\rightarrow \cdot \leftarrow$ on the remote commander to invoke the normal state.
- 3. Reduce the ① CONTRAST to the minimum level.
- Adjust the SUB BRIGHTNESS RV703 until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.

Where no TEST COLOR BAR pattern is available.

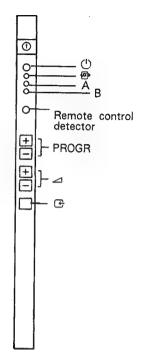
- 1. Display a COLOR BAR pattern.
- 2. Push→•←on the remote commander to invoke the normal state,
- 3. Set the PICTURE and COLOR to minimum.
- 20 IRE is close to blue, so adjust the SUB BRIGHTNESS RV703 till blue is faintly luminous.

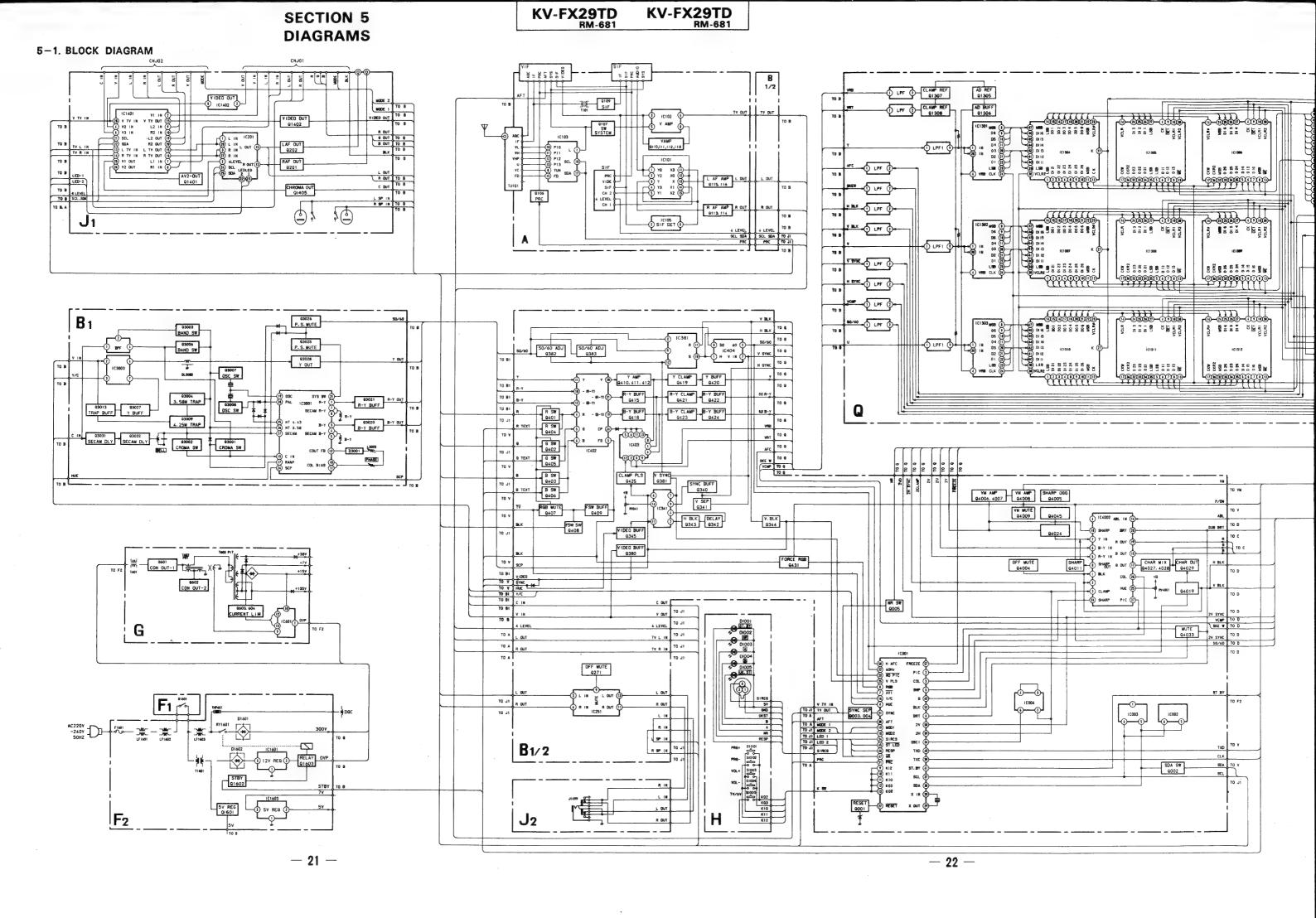
SUB COLOR Adjustment

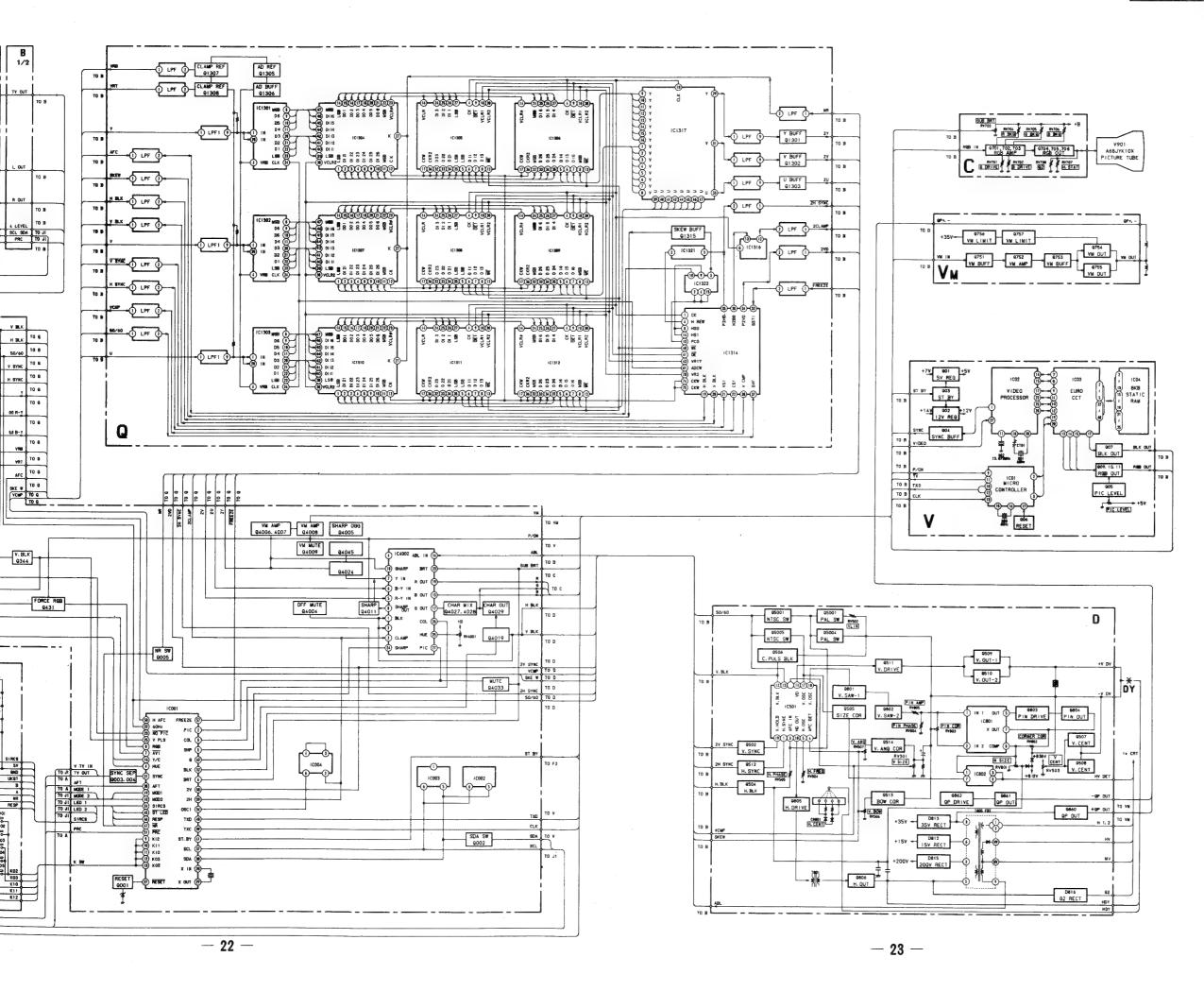
- 1. Display a COLOR BAR pattern.
- 2. Push → ← on the remote commander to invoke the normal state,
- 3. Turn off the power supply.
- 4. Turn on the power supply while pushing the VOL
 + and VOL
 buttons on the unit.
- 5. Adjust the COLOR control until the B out (pin @ of CNC33 connector on C board) waveform becomes as shown below.

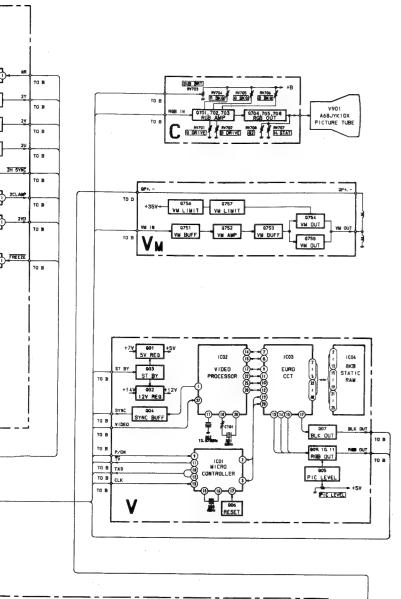


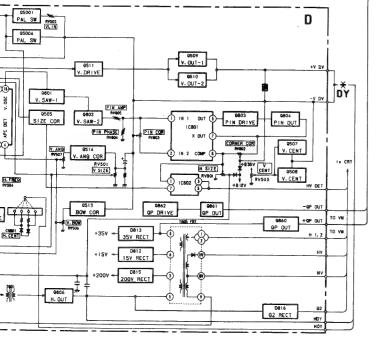
- 6. Push the STORE button on the remote commander. (SUB mode is cleared.)
- * When Step 4 is executed correctly, SUB (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.







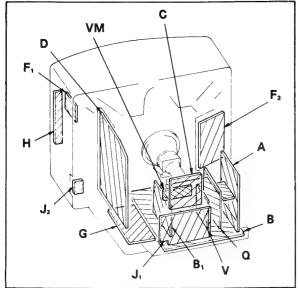




KV-FX29TD RM-681 **KV-FX29TD**

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5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAM (1)

2

3

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power is, as follows.

Pitch : 5mm Rating electrical power: 1/4W

- All resistors are in ohms.
- : nonflammable resistor. • tusible resistor.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B.unless otherwise noted.
- All voltages are in V.
- lacktriangle Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input. no mark : PAL
- < >: SECAM
-): NTSC 3.58MHz
-): NTSC 4.43MHz
- adjustment for repair. ● Voltage variations may be noted due to normal production
- tolerances.
- ** ** : B-line
- signal path.

RESISTOR : RN METAL FILM SOLID : RC NONFLAMMABLE CARBON NONFLAMMABLE FUSIBLE : FPRD : FUSE : RS NONFLAMMABLE WIREWOUND NONFLAMMABLE CEMENT : RB MICRO INDUCTOR : LF-8L CAPACITOR : TA TANTALUM : PS STYROL : PP POLYPROPYLENE

: PT MYLAR

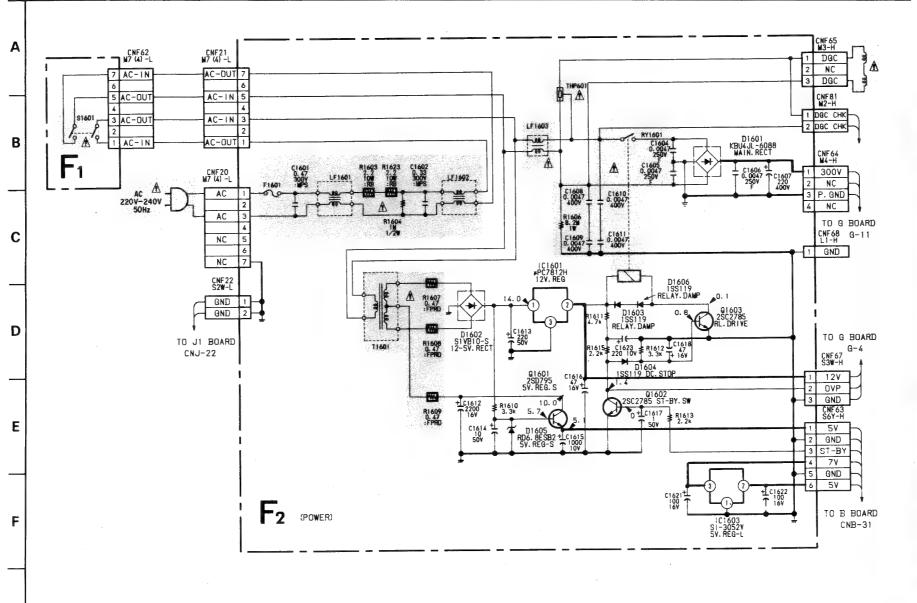
METALIZED POLYESTER : MPS : MPP METALIZED POLYPROPYLENE

: ABL **BIPOLAR** : ALT

HIGH TEMPERATURE

HIGH RIPPLE : ALR

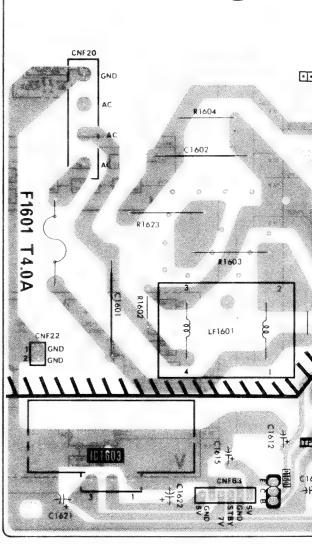
Note: The components identified by shading and mark ne critical for safety. Replace only with part number specified.



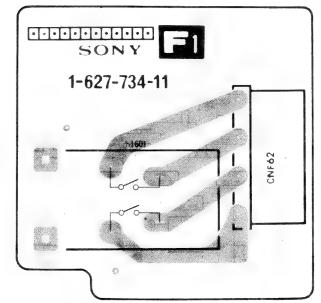
5

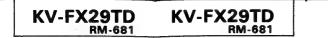
5-4. PRINTED WIRING BOARDS (1)

-F2 board-

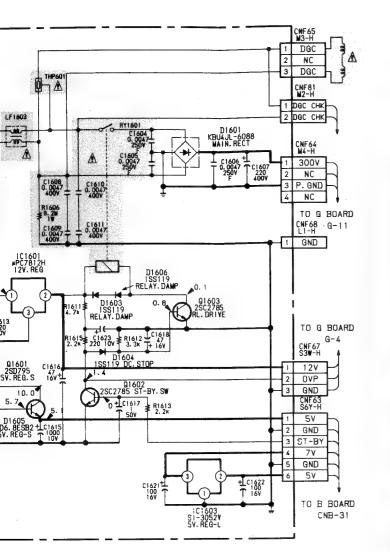


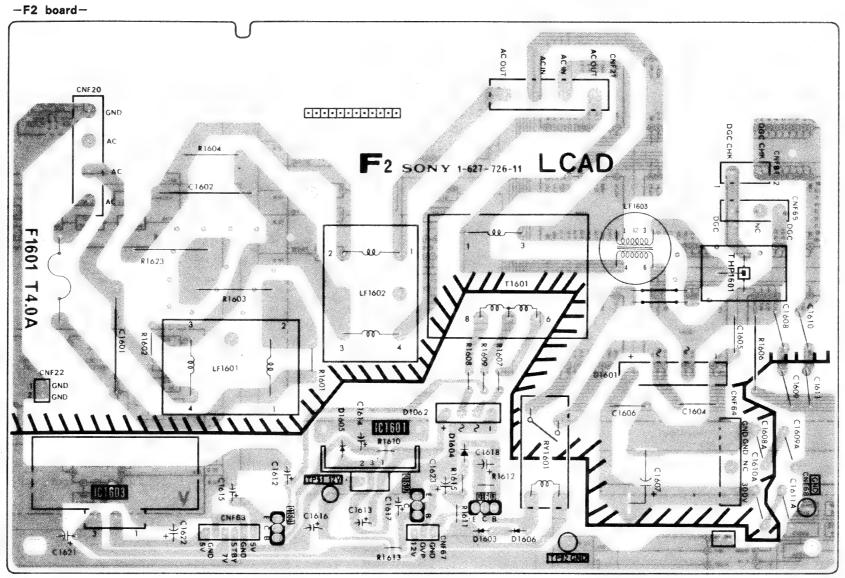
-F1 board-

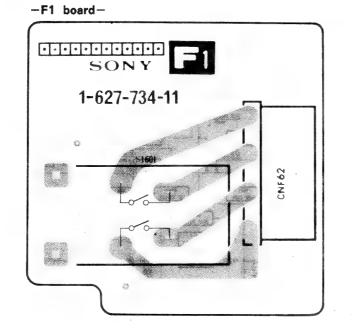


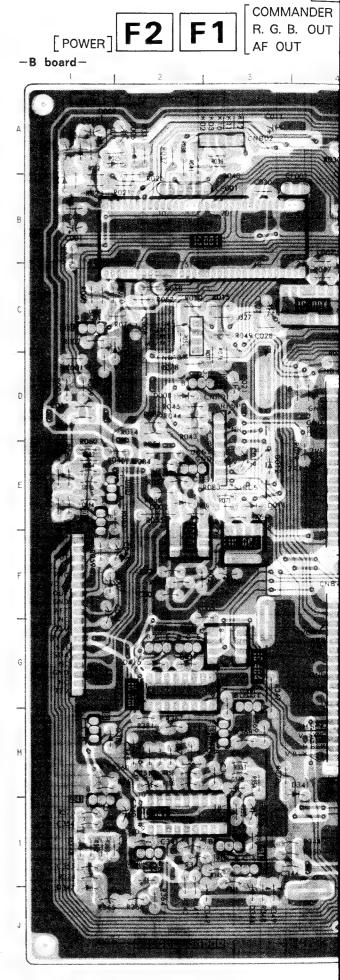


7 8 9 5-4. PRINTED WIRING BOARDS (1)

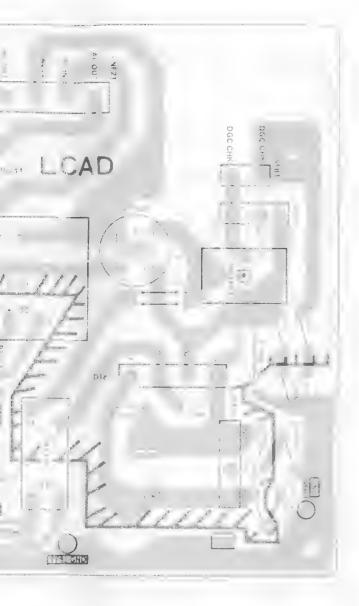


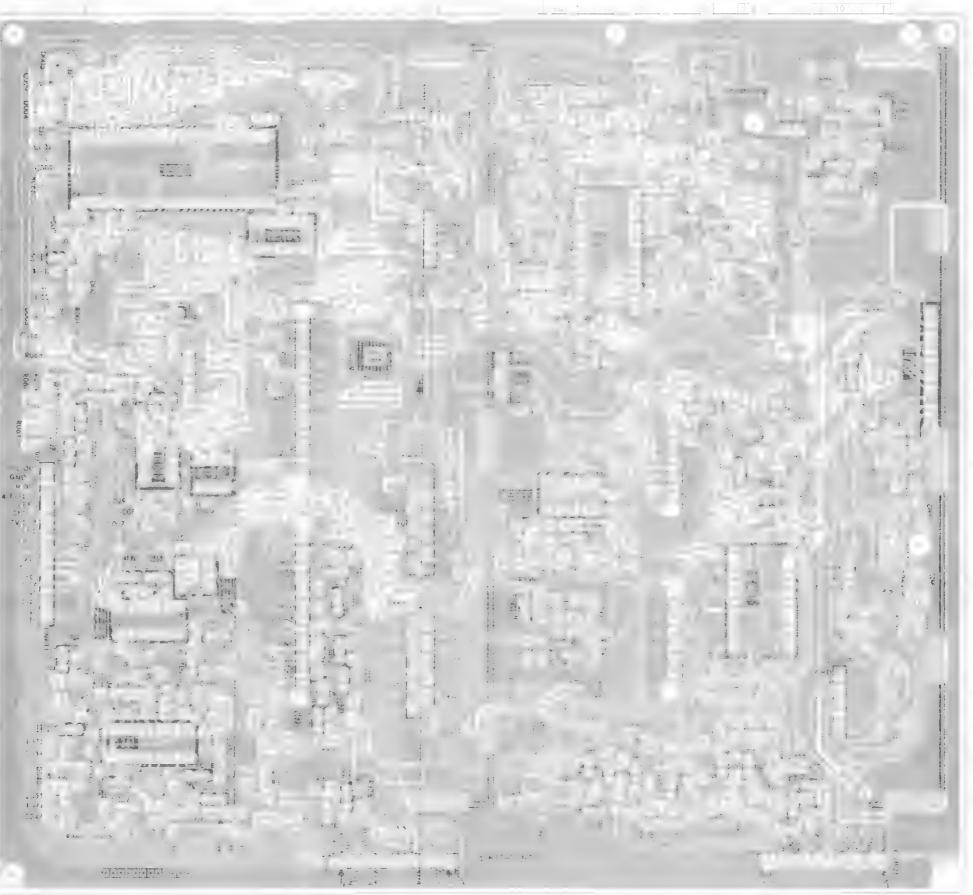






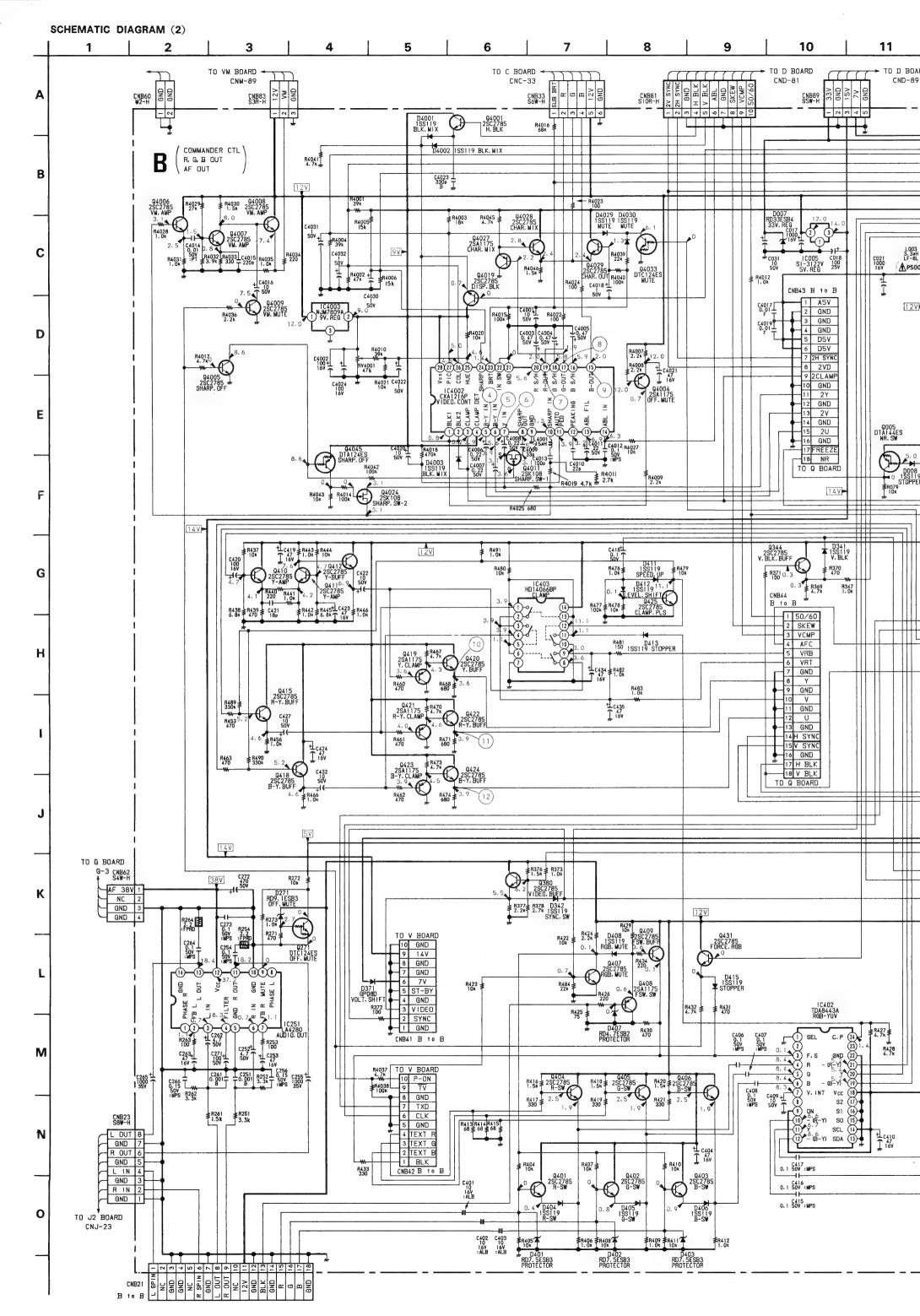


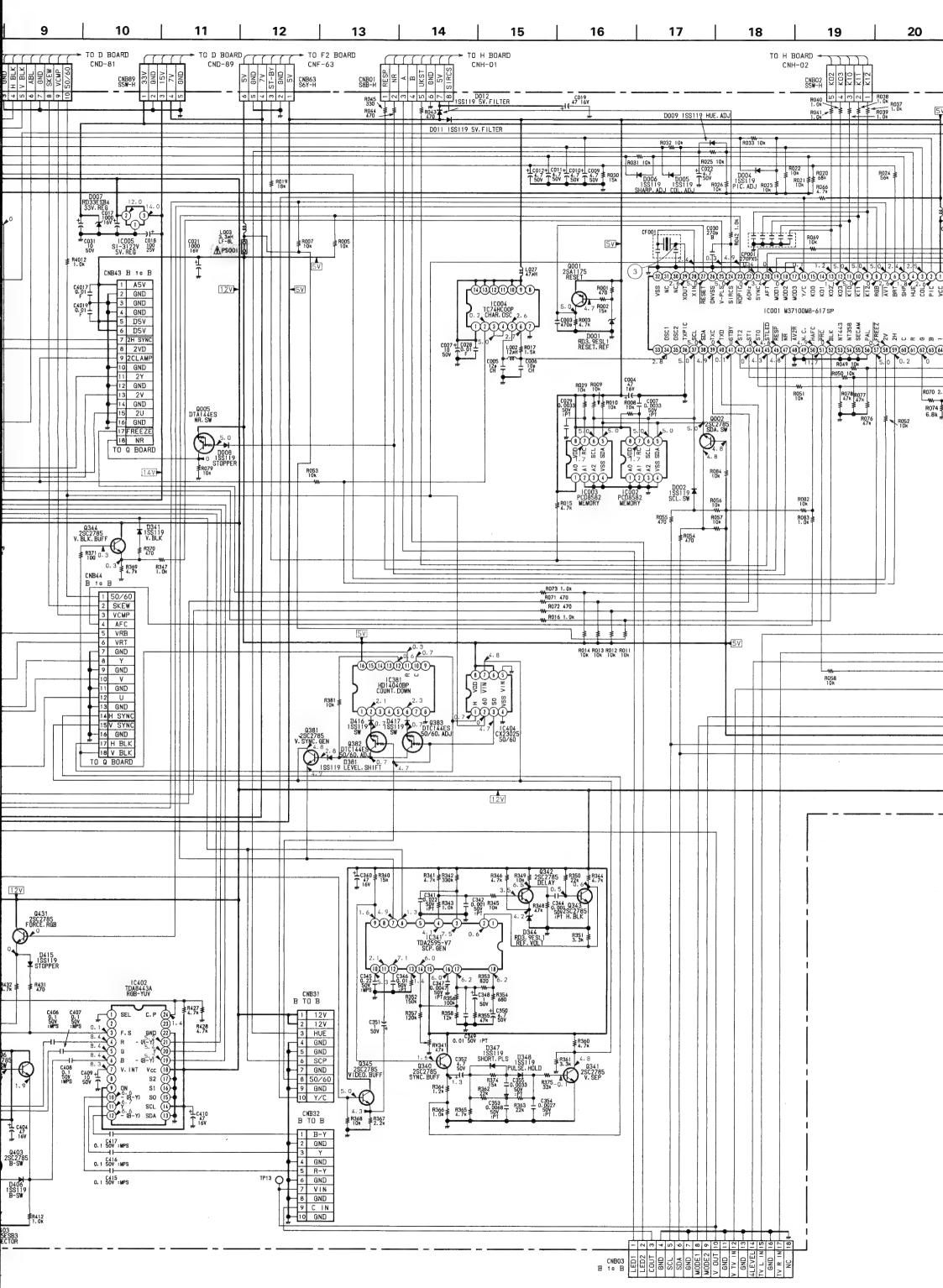


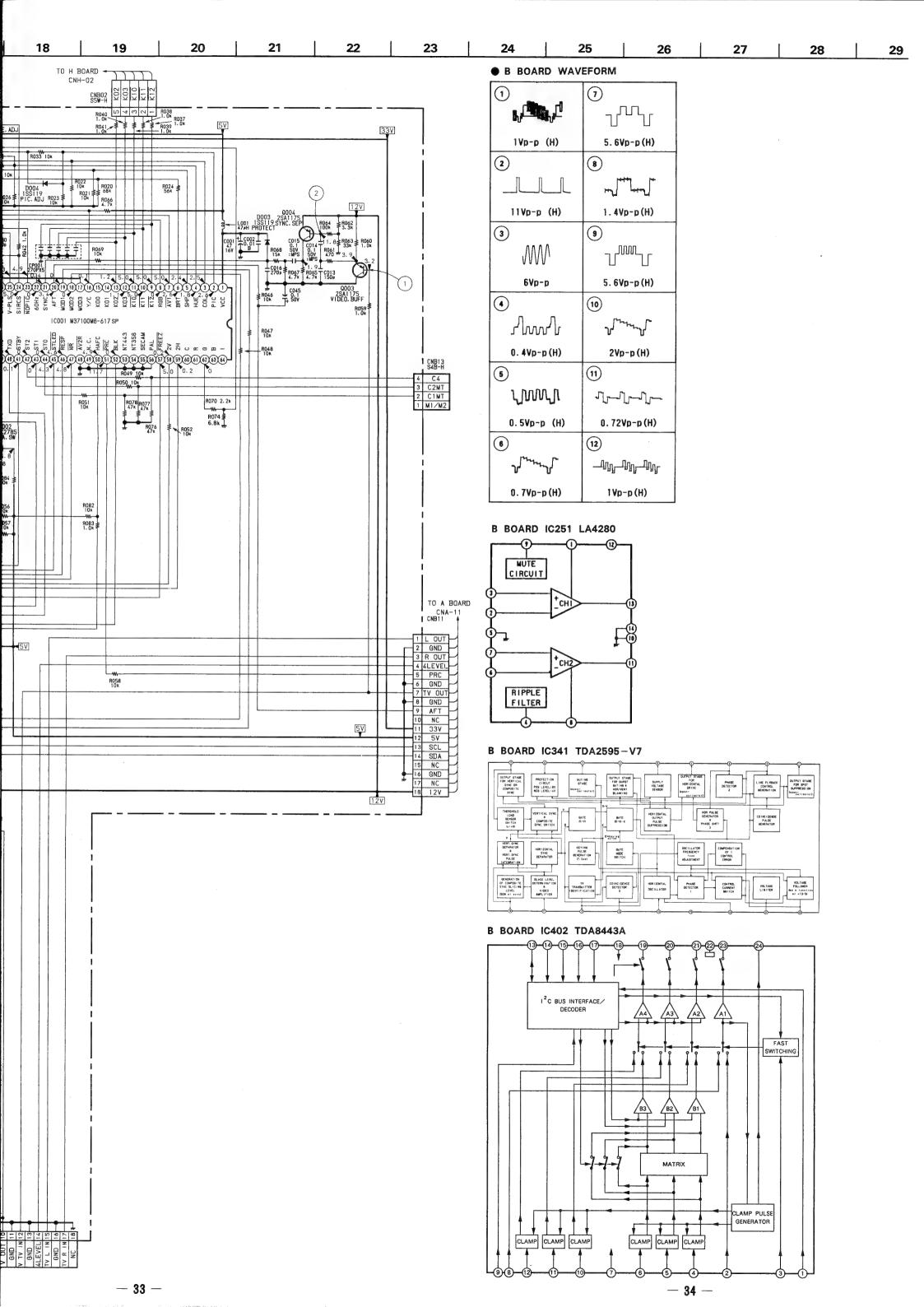


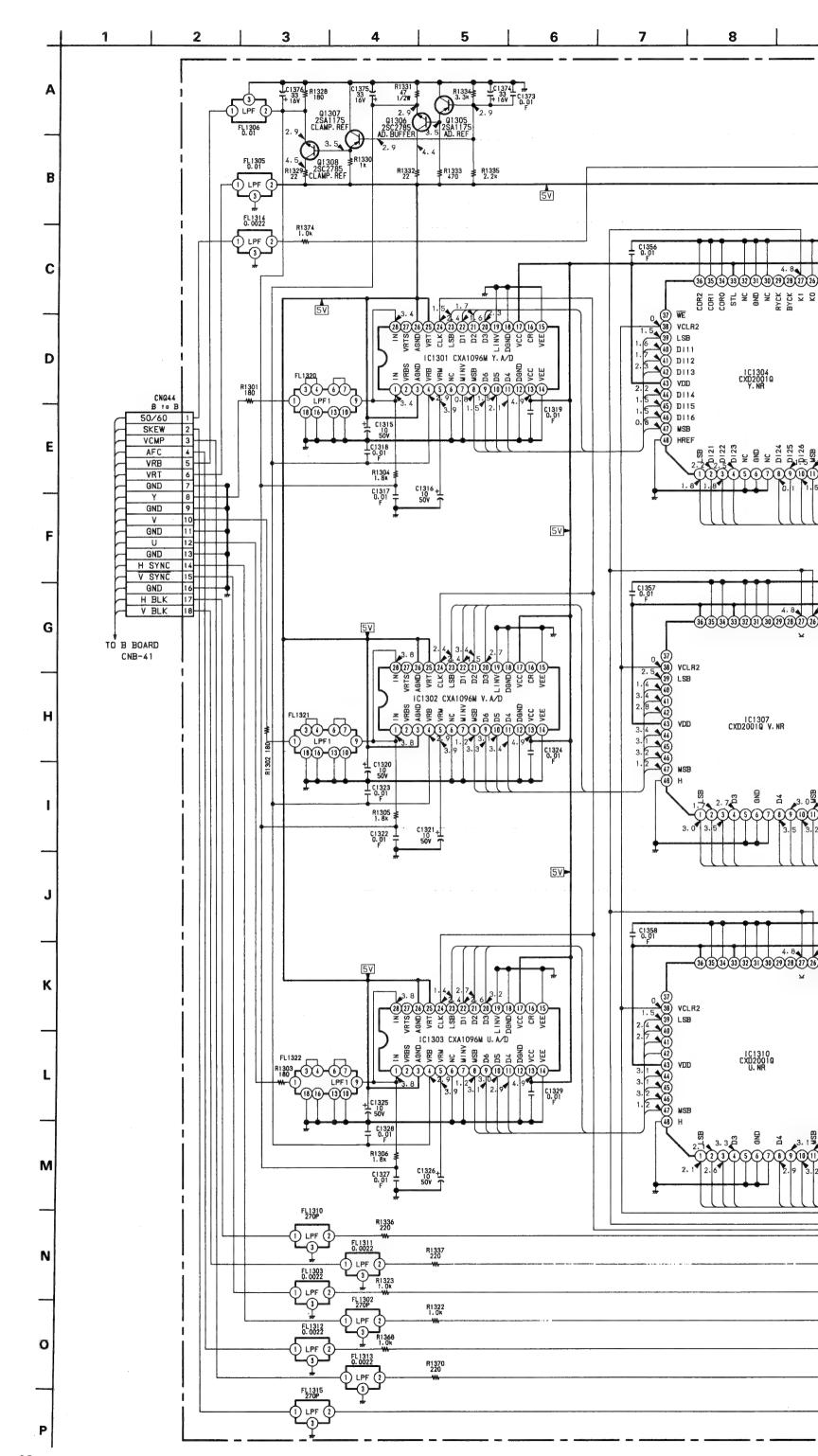
ić	;	04006	C-9
10001	B-2	04007	B - 10
0002	F3	Q4008	B-10
iC003	F-2	04009	B 10
5004	0 4	Q4011	C- 6
0005	€ 6	Q4019	B-6
10051	D 11	1	
IC251	E - 11		C-6
IC341	12	04028	C 9
C381	G – 2	04029	8-8
IC402	G-9	04033	A-8
C403	9-7		
		Q4045	D-7
C404	6 · 3 0 = 7		
C4002		DIODE	
C4003	8-9	D001	D-2
		D002	E-2
THAN,	.3110R	D003	D = 1
	0 - 1	D004	8-1
	E-2	D004	
0002 0002	E-1	0005	A-1
2014	E - 1	D006	A-2
2003	D-3	2007	F - 1
		D008	D-2
24	D-10	D009	A - 1
1340	1 - 2	D011	E-3
Q341	:-1		
1342	3	D012	E-3
	1 – 3		E-3
1343	1-3	D271	
		D341	E-10
1,3.1.4	5-3	D342	G-5
23.45	H-3	D344	1-3
3355	1 - 4		
3191	H-1	D347	J 1
J3 42	G-2	D348	1-1
		D371	E-5
.393	G-2	D381	H-1
1401	1-9	D401	1-9
		0401	1-9
14.10	· 8		
1403	1-7	D402	J-8
11.74	: 9	D403	J-8
		D404	l – 9
2405	1-8	D405	1-8
2408	1-7	D406	1-7
0408	:-9		
2409	! 10	D407	J~9
		i	1-9
1410	F = Q	DAMS .	
0410	F-9	D408	
		D411	G - 7
2411	E - 9	D411 D412	G - 7 G - 7
0411 0412	E - 9	D411	G - 7
0411 0412 0415	E-9 E-9 E-8	D411 D412	G-7 G-7 G-8
0411 0412 0415	E - 9	D411 D412	G - 7 G - 7
0411 0412 0415 0419	E-9 E-9 E-8	D411 D412 D413	G-7 G-7 G-8
0411 0412 0415 0419	E-9 E-9 E-8 F-9	D411 D412 D413	G-7 G-7 G-8
0411 0412 0415 0419 0419	E-9 E-9 E-8 F-9	D411 D412 D413 D415 D416	G-7 G-7 G-8 F-10 G-2 G-2
0411 0412 0415 0419 0419	E-9 E-9 E-8 F-9 G-4	D411 D412 D413 D415 D416 D417 D4001	G-7 G-7 G-8 F-10 G-2 G-2 B-7
0411 0412 0415 0418 0419 0420 0421	E-9 E-8 F-9 G-4 G-4	D411 D412 D413 D415 D416 D417	G-7 G-7 G-8 F-10 G-2 G-2
0411 0412 0415 0419 0419 0420 0420	E-9 E-9 E-8 F-9 G-4 F-5 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7
0410 0411 0412 0415 0419 0419 0420 0420 0421 0422	E-9 E-9 E-8 F-9 G-4 H-5 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7
0411 0412 0415 0419 0419 0420 0420	E-9 E-9 E-8 F-9 G-4 F-5 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7
0411 0412 0415 0419 0419 0420 0420 1421 1422 1423	E-9 E-8 F-9 G-4 H-4 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7
0411 0412 0415 0419 0419 0420 0421 1422 1423 0424	E-9 E-9 E-8 F-9 G-4 H-5 H-4 H-4 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002 D4003 D4029 D4030	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7 B-7 B-8
0411 0412 0415 0419 0419 0420 0421 0422 0423 0424	E-9 E-8 F-9 G-4 H-4 H-4 H-4 F-7	D411 D412 D413 D415 D416 D417 D4001 D4002 D4003 D4029 D4030	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7 B-8 B-8
0411 0412 0415 0419 0419 0420 0421 0422 0423 0424	E-9 E-9 E-8 F-9 G-4 H-5 H-4 H-4 H-4	D411 D412 D413 D415 D416 D417 D4001 D4002 D4003 D4029 D4030	G-7 G-8 F-10 G-2 G-2 B-7 B-7 B-8 B-8
0411 0412 0415 0419 0419 0420 0421 0422 0423	E-9 E-8 F-9 G-4 H-4 H-4 H-4 F-7	D411 D412 D413 D415 D416 D417 D4001 D4002 D4003 D4029 D4030	G-7 G-7 G-8 F-10 G-2 G-2 B-7 B-7 B-8 B-8 B-8

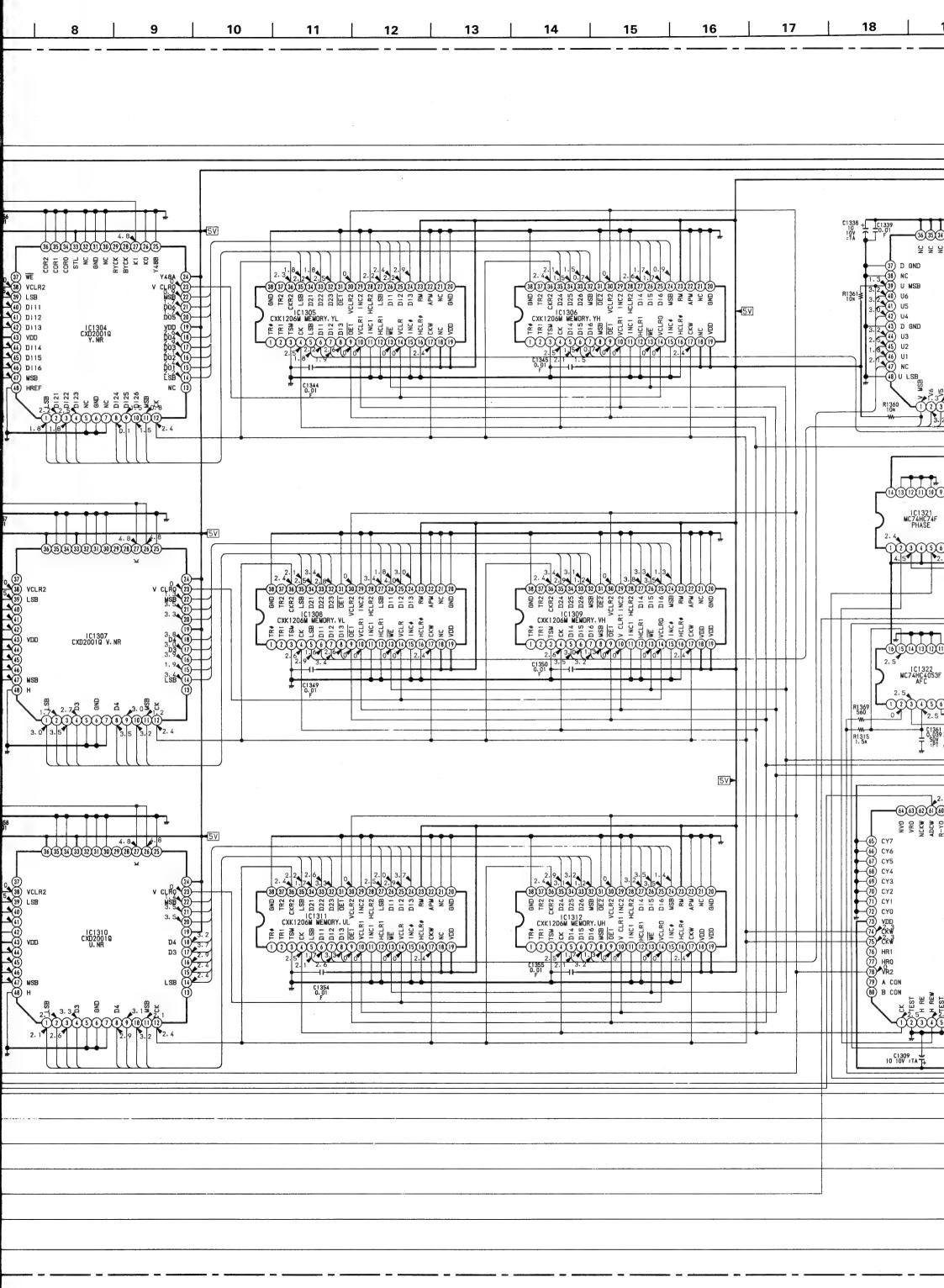
: Pattern of the rear side.

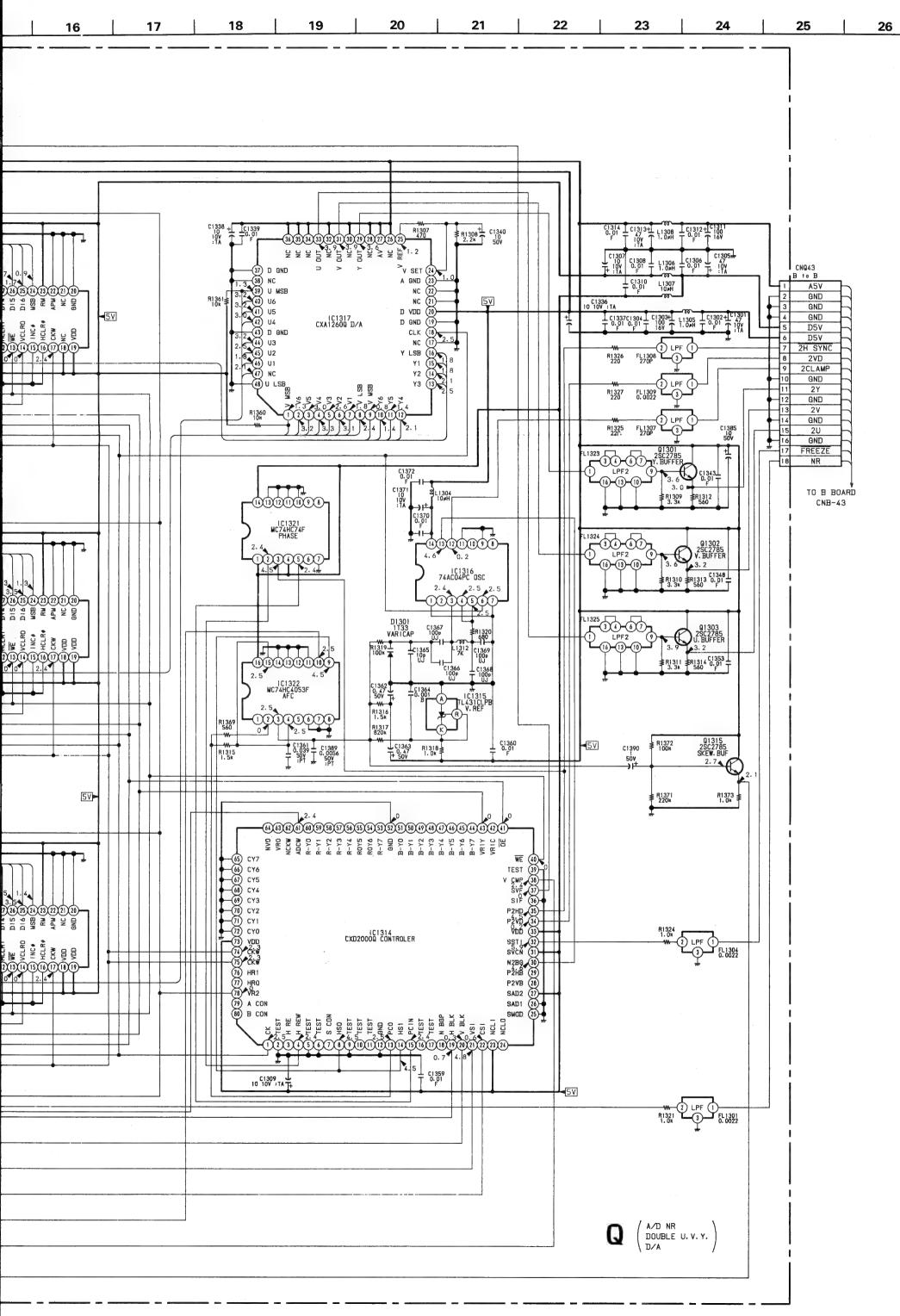












KV-FX29TD KV-FX29TD RM-681

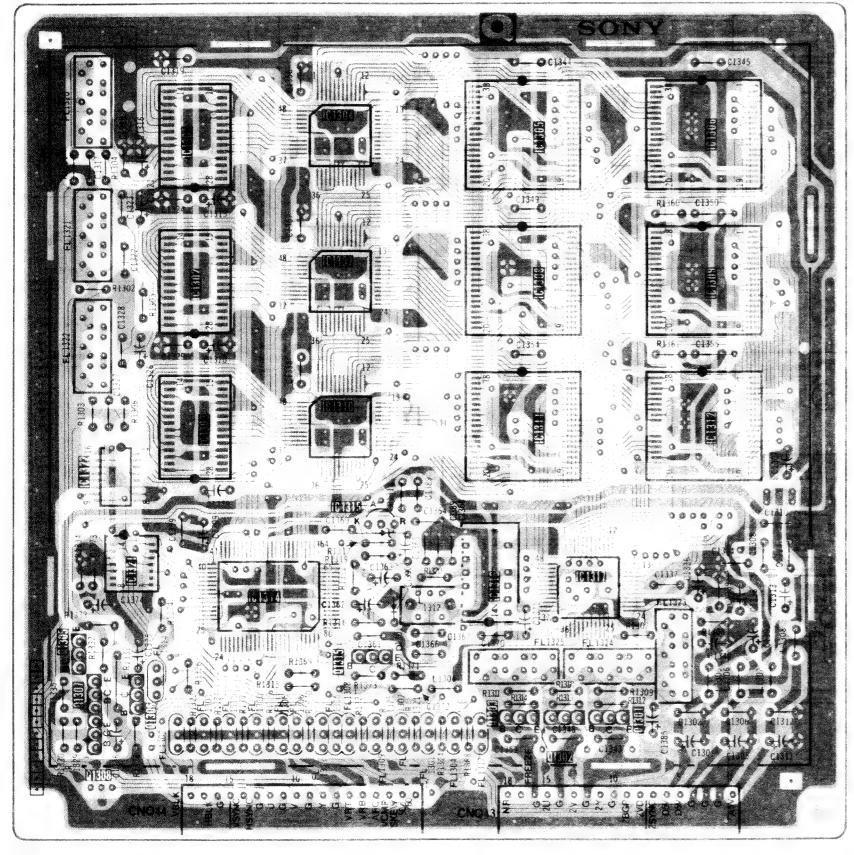
A/D NR

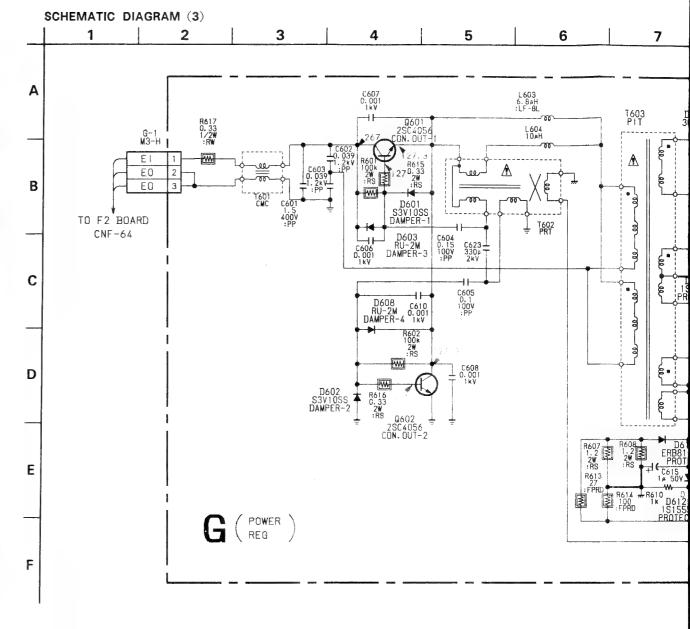
D/A

DOUBLE U. V. Y.

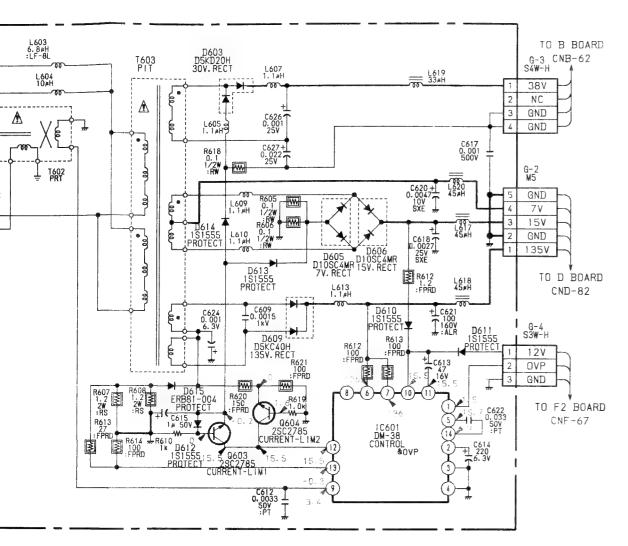
PRINTED WIRING BOARD (2)

Pattern on the side which is seen.
 Pattern of the rear side.







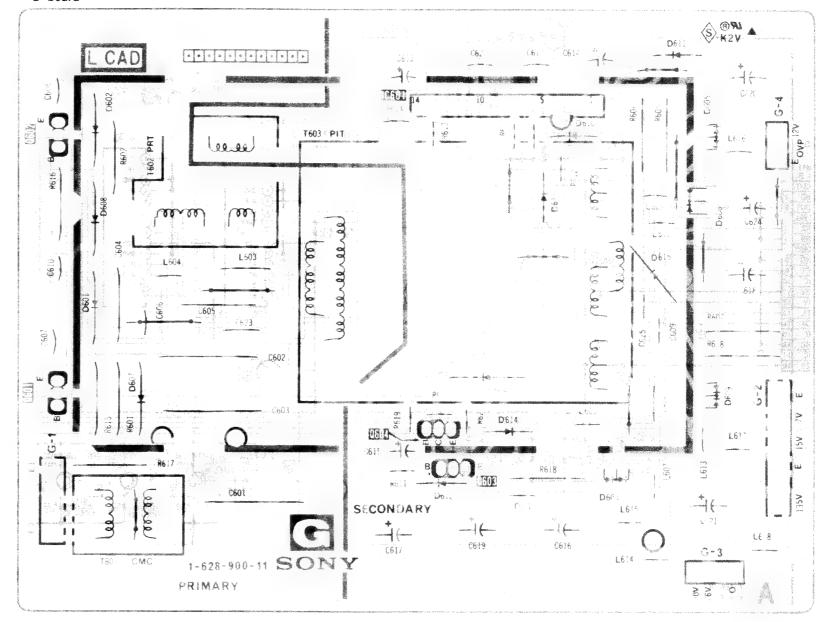


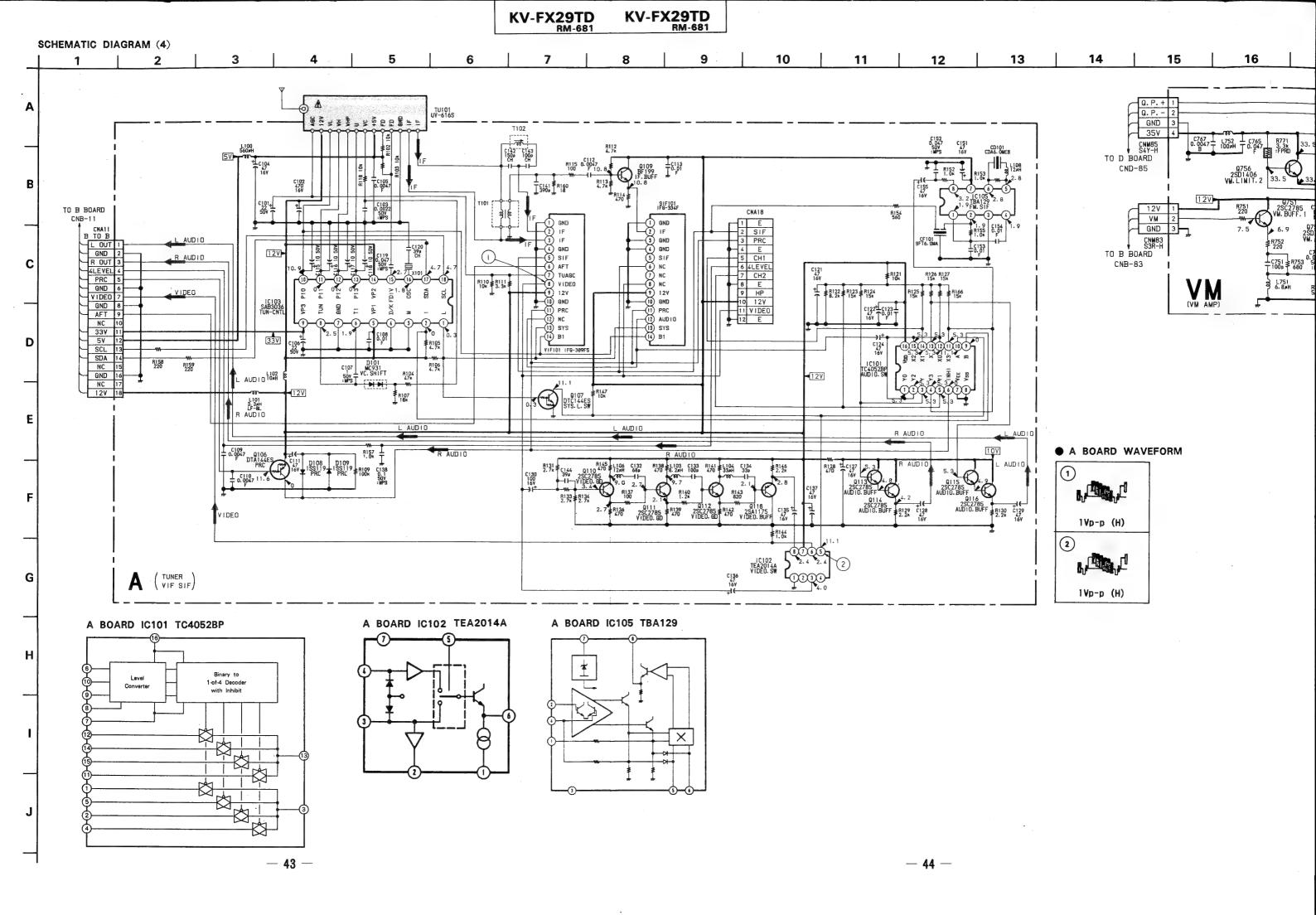
KV-FX29TD RM-681 KV-FX29TD RM-681

PRINTED WIRING BOARD (3)

G [POWER REG]

-G board-







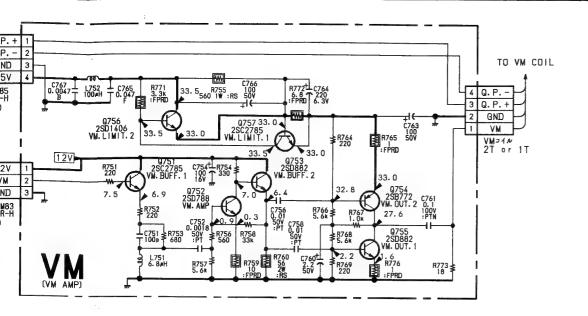
RH R3021≸ 4. 25MHz

C3076 47 16V

B 1

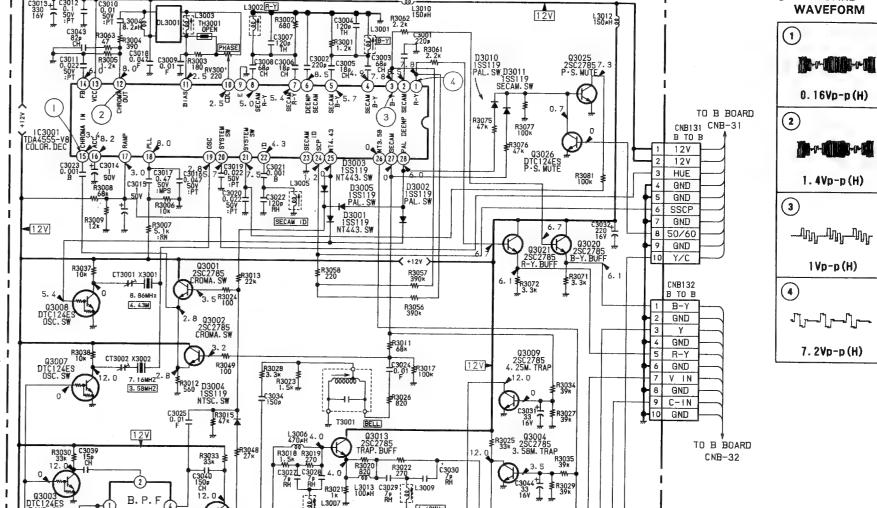
CHROMA

DECODER

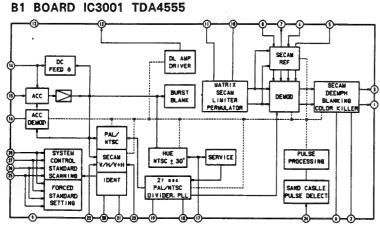


R3039 1.5

FORM



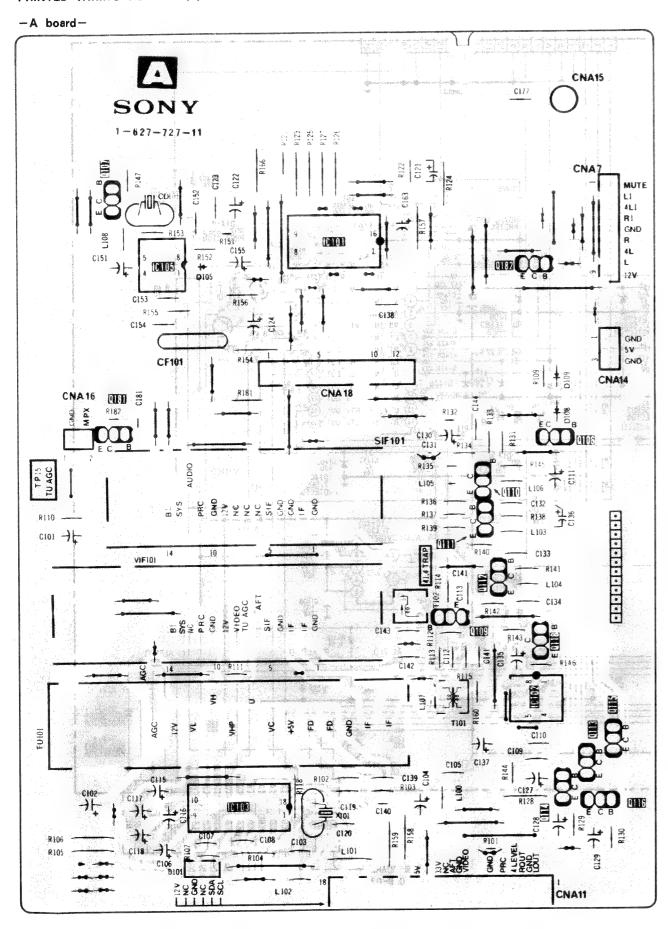
● B1 BOARD

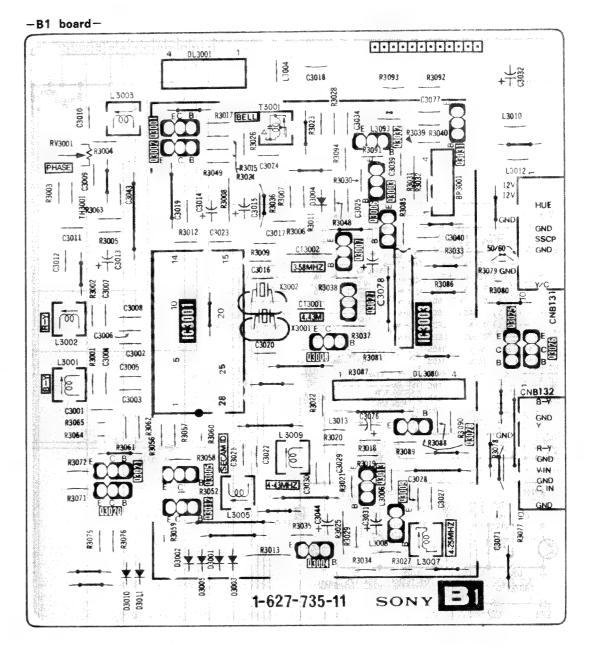


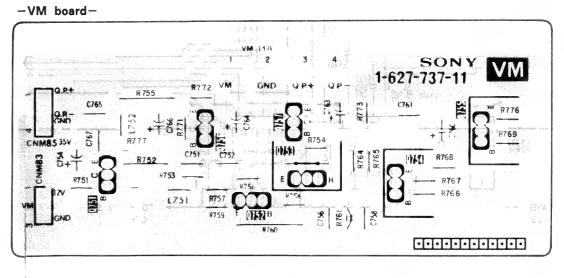
TUNER]

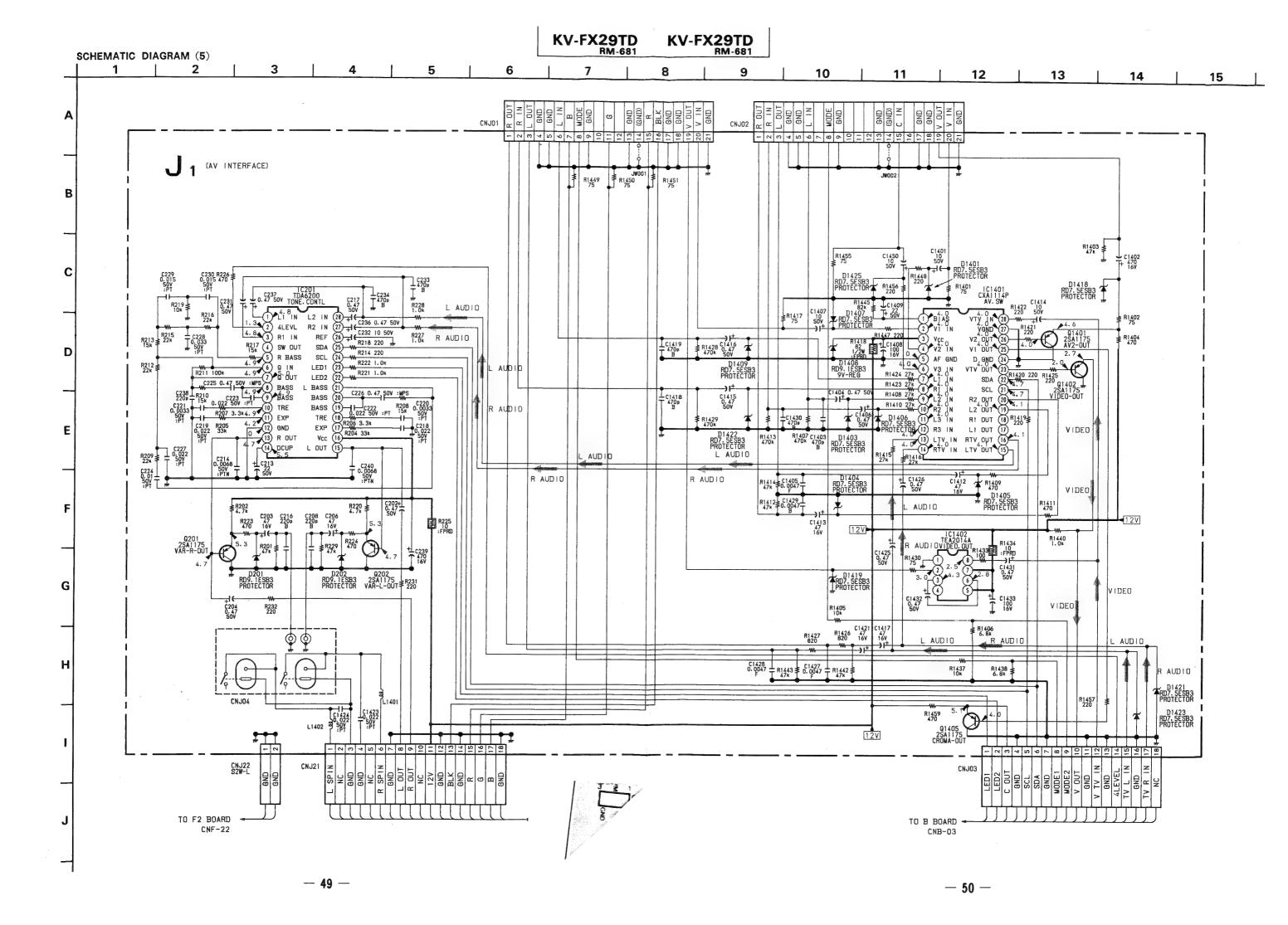
[CHROMA] VM [VM AMP]

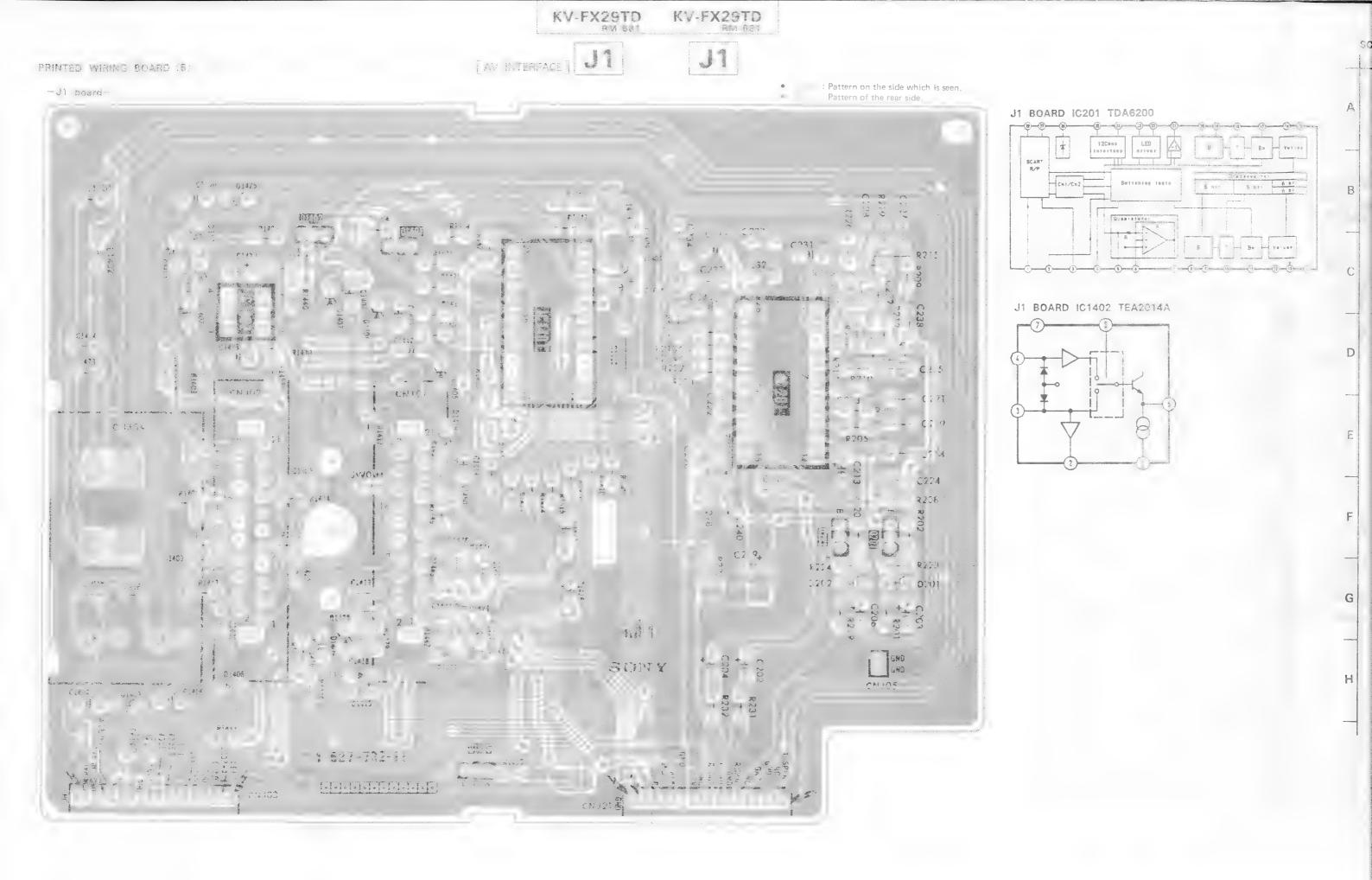
PRINTED WIRING BOARDS (4)







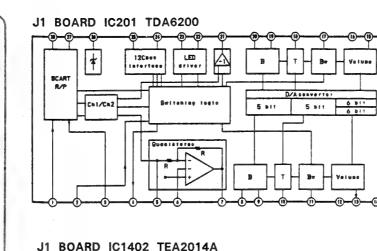




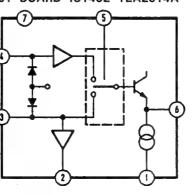
[sw] H

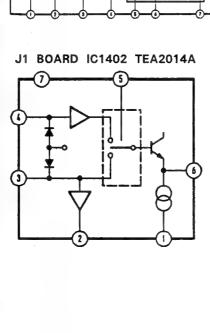
J1

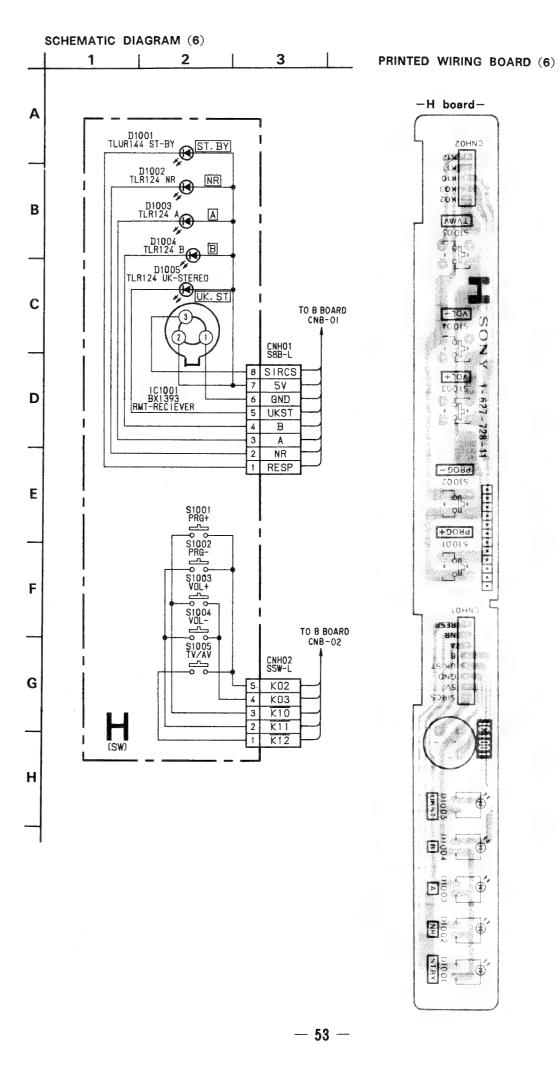
• Pattern on the side which is seen. Pattern of the rear side.

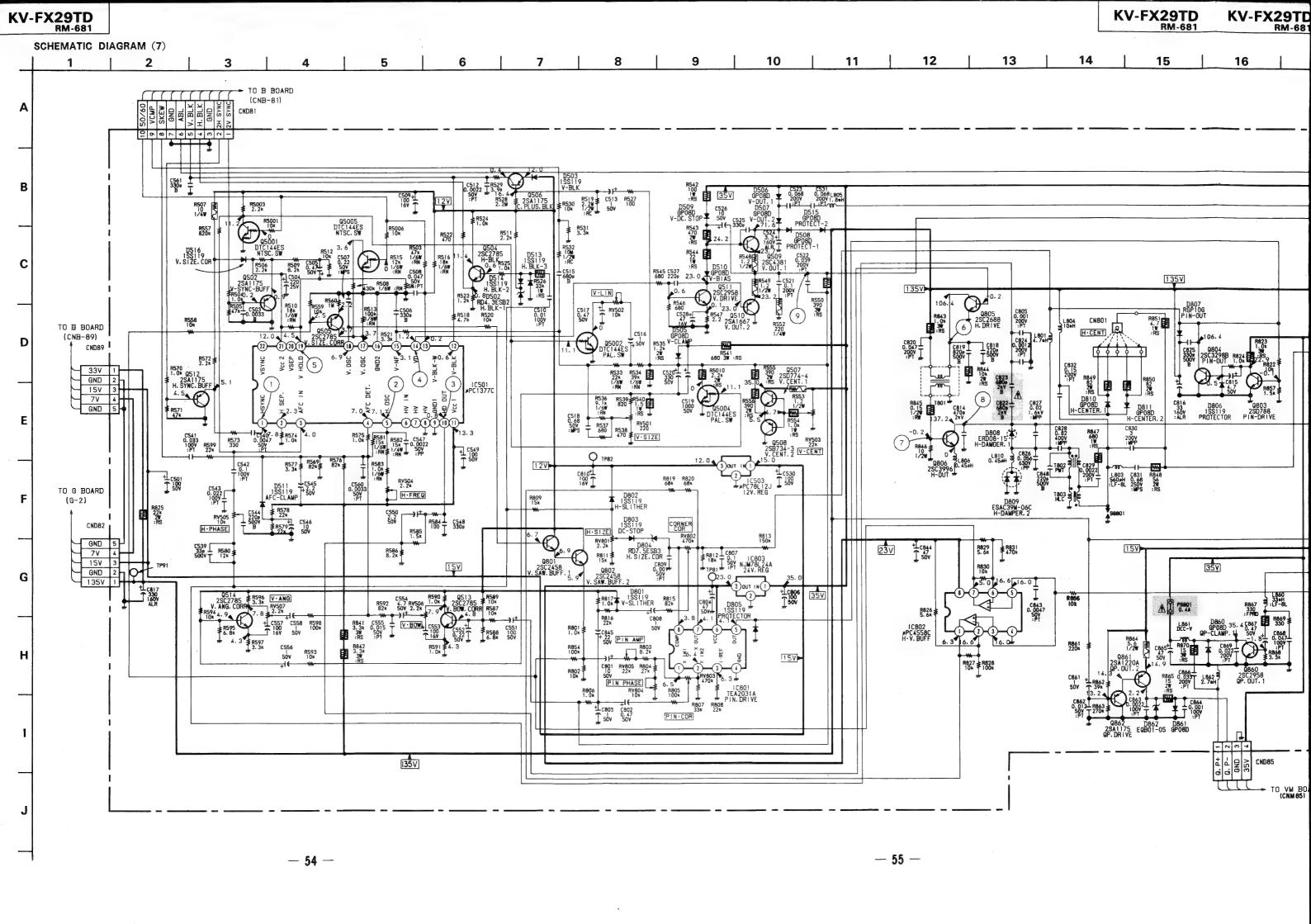


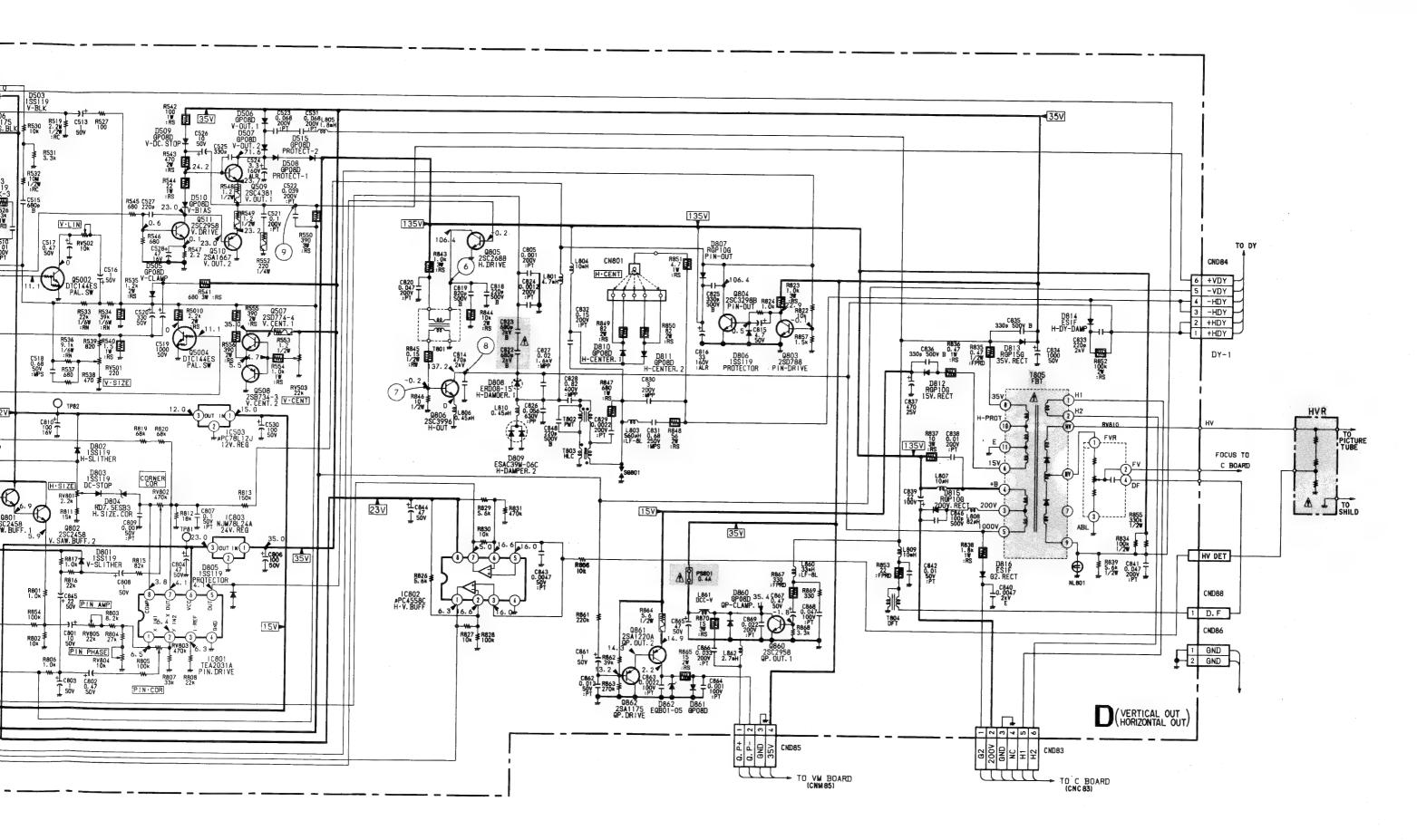
T | B#

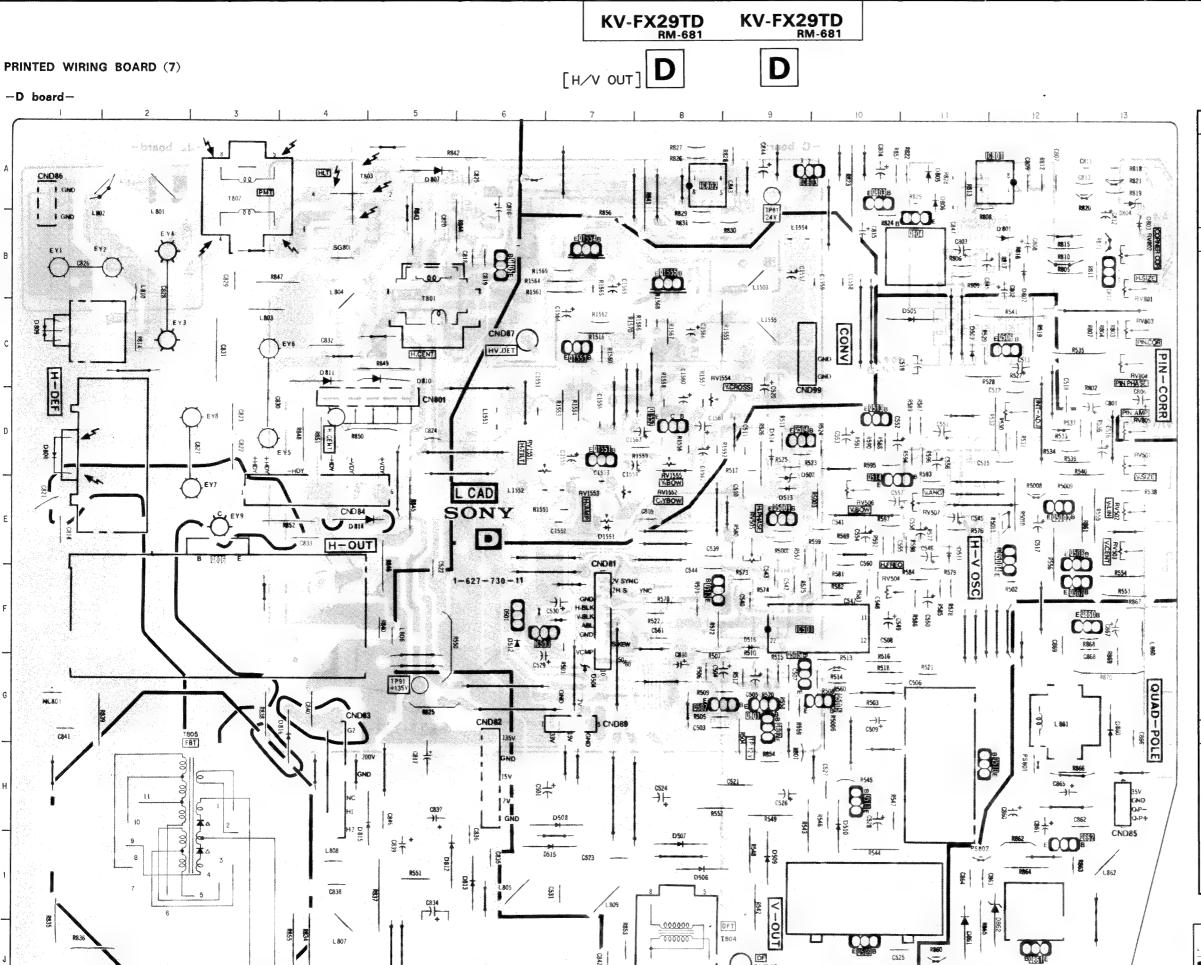












IC			
		D511	E-11
IC501	F-9	D513	E-9
IC503	F-6	D514	D-9
IC801	A-12	D515	1-7
IC802	8-A	D516	F-9
IC803	A-9		- 1
		D801	B-12
TRANS	ISTOR	D802	B-12
0502	G-8	D803	B-13
Q502		D805	A-11
Q504	D-9	D806	A-11
Q505	G-9		
Q506	C-12	D807	A-5
Q507	F-12	D808	D-1
		D809	C-1
Q508	E-12	D810	C-5
Q509	J-10	D811	C-4
Q510	H-11		- '
Q511	H-10	D812	I-5
Q512	F-8	D813	I6
		D814	E-4
Q513	D-10	D815	H-5
Q514	E-10	D816	G-4
Q801	G-9	D010	0-4
Q802	G-9	Doco	
Q803	A-10	D860	G-13
		D861	J-11
Q804	B-11	D862	I-12
Q805	B-6	VARI	ADIE
Q806	E-3	RESIS	TOR
Q860	F-13	RV501	D-13
Q861	J-12	RV502	E-13
		RV503	
0862	I-12	RV504	- 1
Q5001	E-9	RV505	1
Q5002	E-12		
Q5004	E-12	RV506	E-10
05005	G-10	RV507	E-11
45555	0 10	RV801	B-13
510	DE	RV802	B-13
DIC	יטב	RV803	C-13
D502	D-9	117000	۱ ۱
D503	C-11	RV804	C-13
D505	C-11	ļ.	1
D506	1-8	RV805	D-13
D507	1-8		
DE00	~		
D508	H-7	1	l l
D508	H-7 1-9		



NOTE:

The circuit indicated as left contains hig 600 Vp-p. Care must be paid to prevent a inspection or repairing.

D BOAR

5Vp-p

2Vp-p

2Vp-p

3Vp−p

D BOARD !

1

(2)

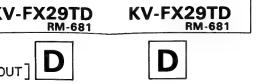
(3)

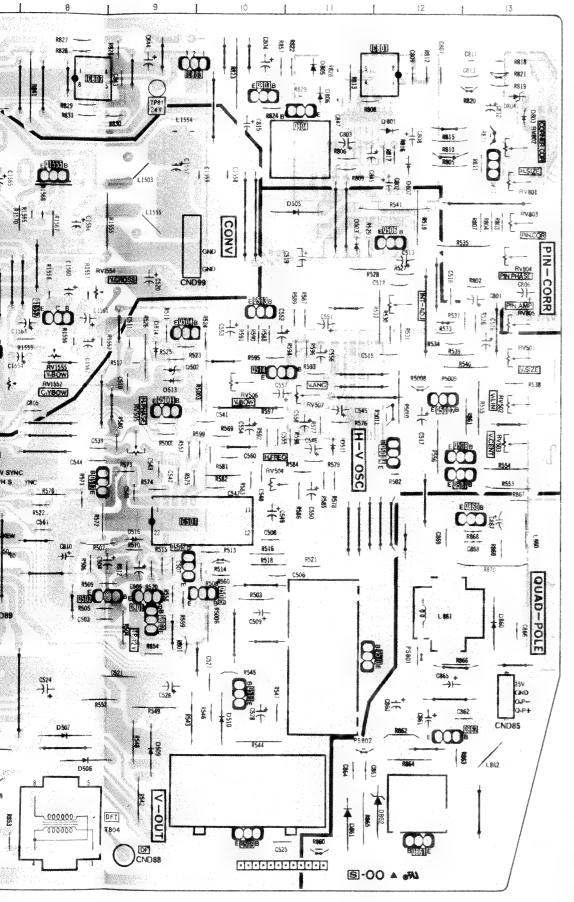
(4)

(5)

00000000000

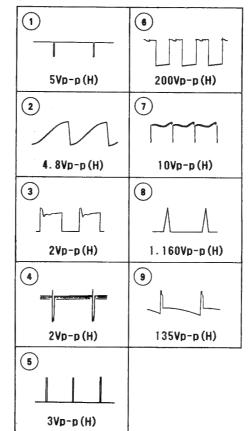
S-00 ▲ •A1

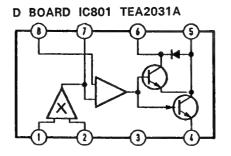




	<u> </u>	D511	E-11
IC501	F-9	D513	E-9
IC503	F-6	D514	D-9
IC801	A-12	D515	1-7
IC802	A-8	D516	F-9
IC803	A-9		
		D801	B-12
TRANS	ISTOR	D802	B-12
Q502	C 0	D803	B-13
	G-8	D805	A-11
Q504 Q505	D-9 G-9	D806	A-11
	G-9 C-12		
Q506	F-12	D807	A-5
Q507	F-12	D808	D-1
0500	F 40	D809	C-1
Q508	E-12	D810	C-5
Q509	J-10	D811	C-4
Q510	H-11		
Q511	H-10	D812	1-5
Q512	F-8	D813	I6
0510	D 40	D814	E-4
Q513	D-10	D815	H-5
Q514	E-10	D816	G4
Q801	G-9		
Q802	G-9	D860	G-13
Q803	A-10	D861	J-11
		D862	I-12
Q804	B-11		
Q805	B-6	VARI	
Q806	E-3	RESIS	
Q860	F-13	RV501	D-13
Q861	J-12	RV502	E-13
		RV503	E-13
Q862	I-12	RV504	F-10
Q5001	E-9	RV505	E-9
Q5002	E-12		
Q5004	E-12	RV506	E-10
Q5005	G-10	RV507	E-11
		RV801	B-13
DIO	DE	RV802	B-13
D502	D-9	RV803	C-13
D503	C-11		
D505	C-11	RV804	C-13
D506	I-8	RV805	D-13
D500	I-8		
D301	1-0		
D508	H-7		
D509	I-9		
	H-10		
D510			

D BOARD WAVEFORM

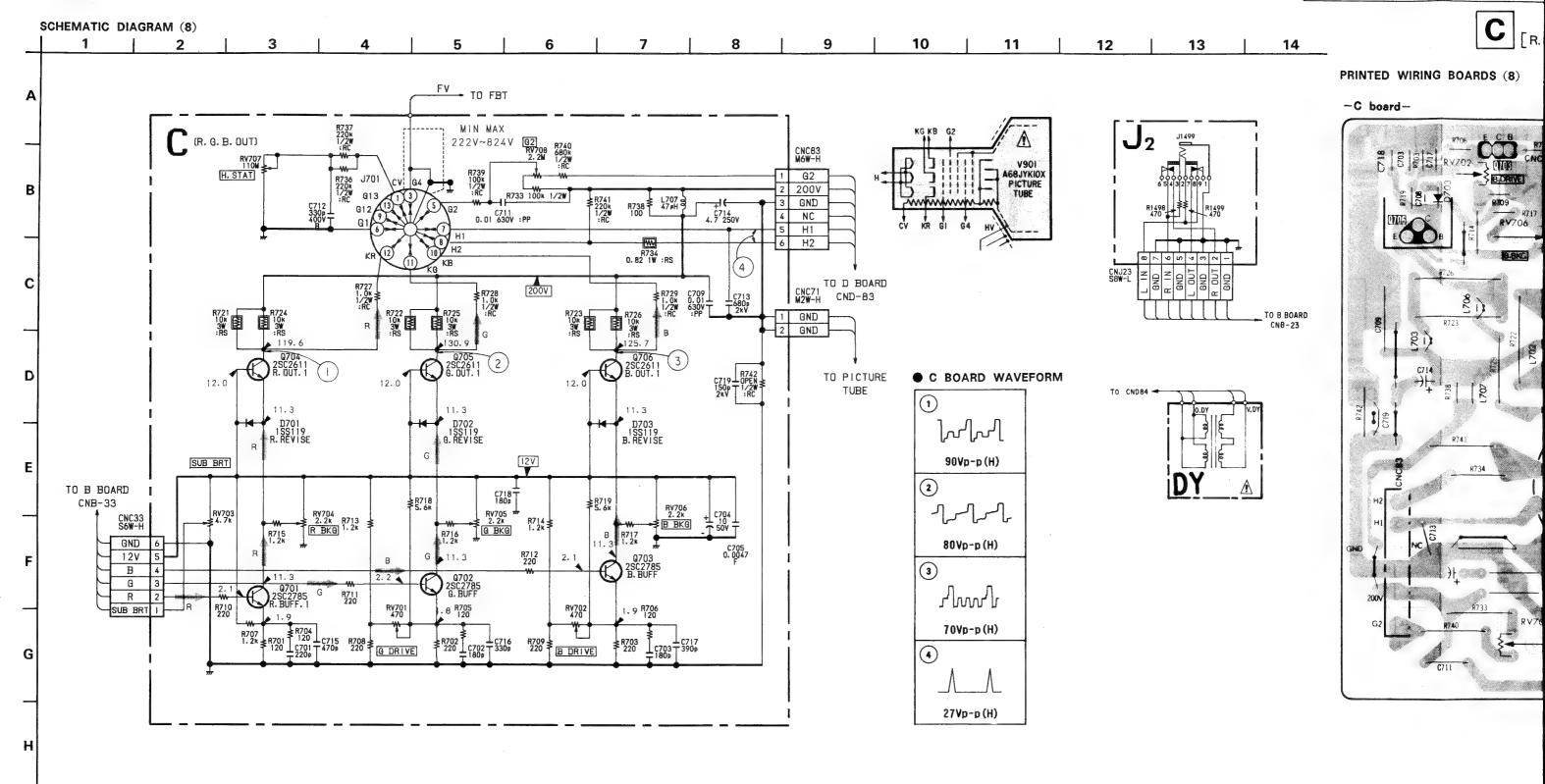






NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



[R. G. B. OUT] **J2**

8 9 10 11 12 13 14

70Vp-p(H)

27Vp-p(H)

G2

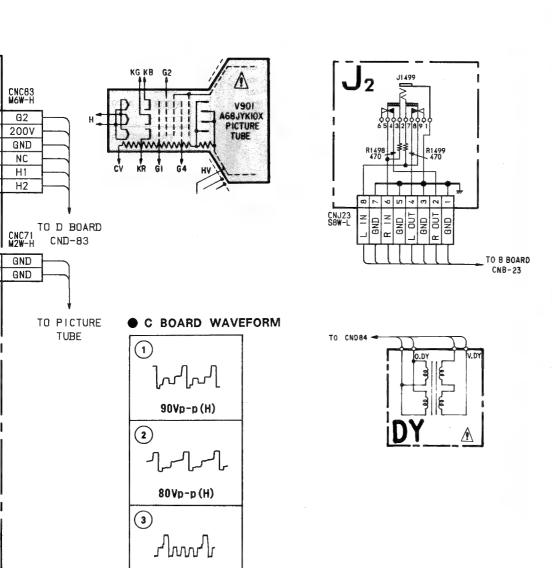
200V GND

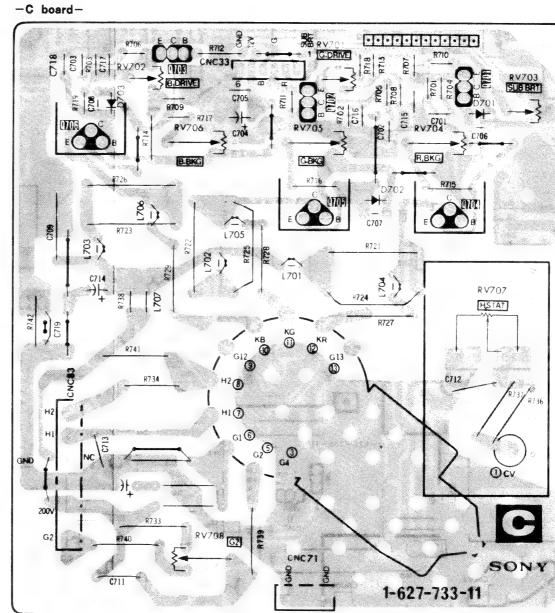
NC H1 H2

GND GND

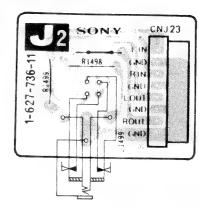
4. 7 250V

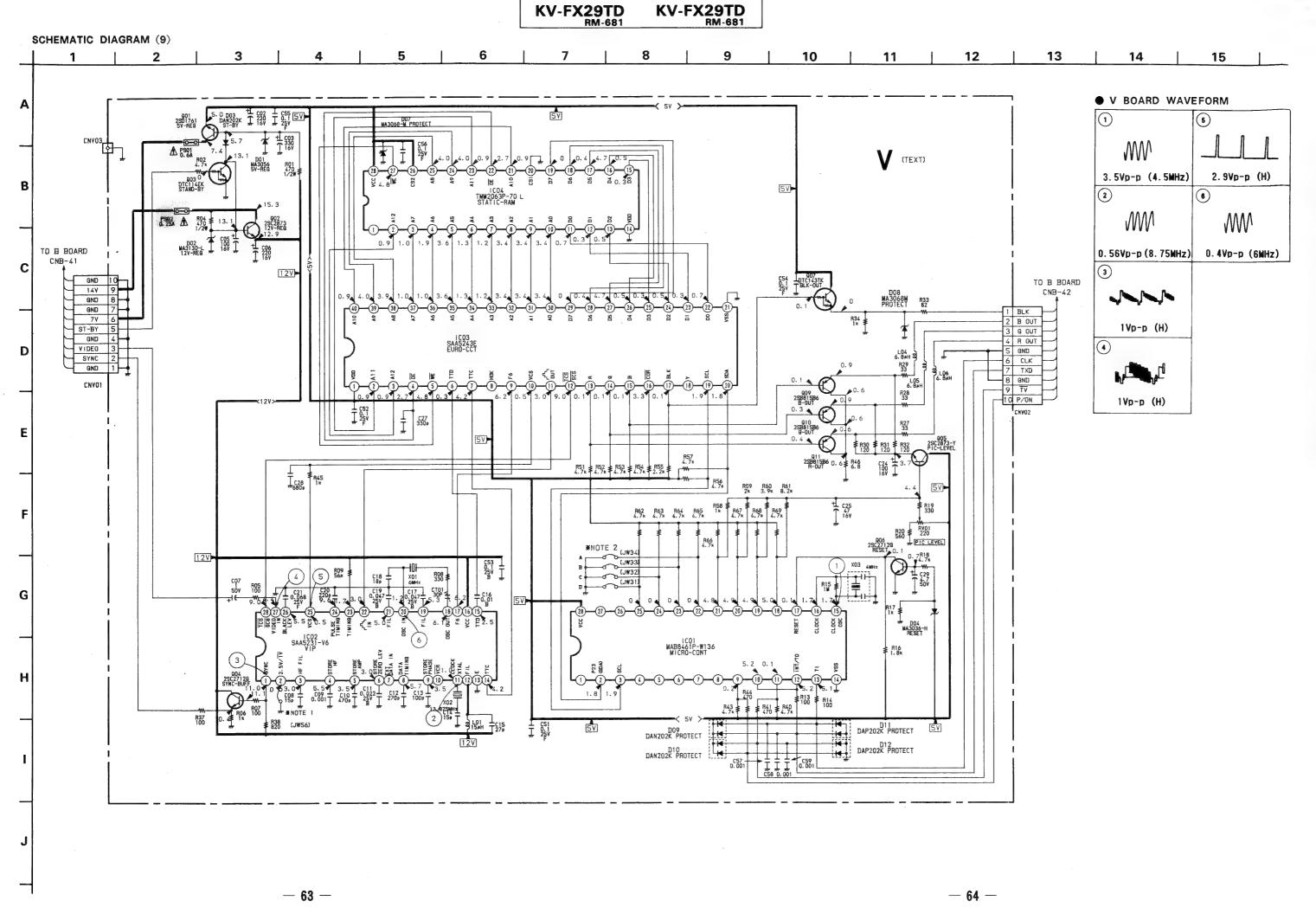
PRINTED WIRING BOARDS (8)





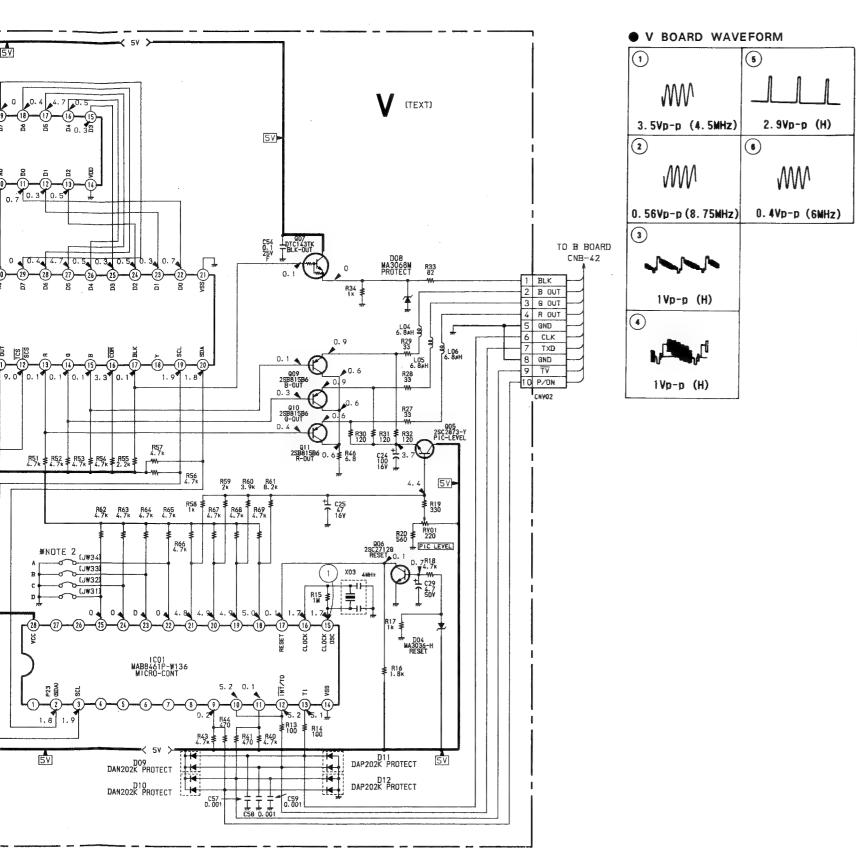
-J2 board-



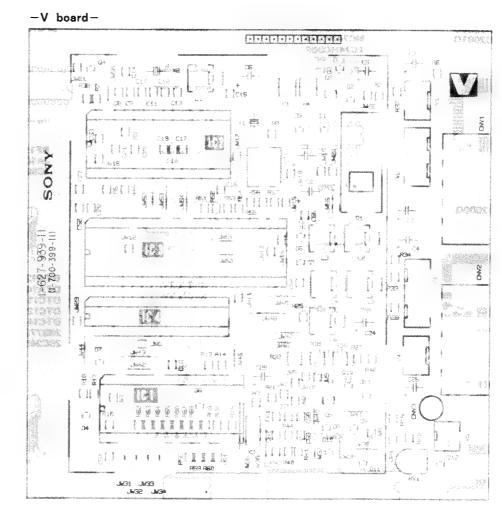




7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |



PRINTED WIRING BOARD (9)

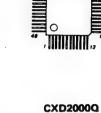


BX1393



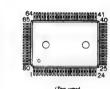
CXA1096M CXA1114P CXA1216P MAB8461P-W136 SAA5231-V6 TDA4555-V8 TDA6200 TMM2063P-70



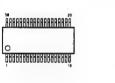


CXA1260Q CXD2001Q





CXK1206

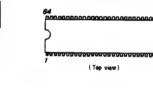


DM-38

HD14040BP TC4052BP

161514131211109

12345678 (Top view)





HD14066BP MC74HC74F TC74HC00P 74AC04PC μPC1394C

1413121110 9 8

1234567

(Top view)

LA4280

MC74HC4053F

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M37100M8-003



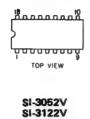








SAA5243E









TL431CLPB

REF ANODE CATHODE

μPC78L12 μPC78L12J



DTC114EK DTC143TK

2SB815 2SC2712



μPC1377C

BF199 JA101 JC501

DTA124ES

DTA144ES DTC114ES

DTC124ES DTC144ES DTC144ES 2SB772 2SC2458





















2SC1761































DAP202K



ERD08-15 ERD28-06 ES1F GP08D RGP01-17 RGP10G RGP15G







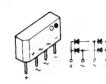








SIVB10S



V19E **V30N**



TLR124



TLUR144



NOTE:

Items with no cription are are seldom re
 The construct

part are in number in the · Items marked they are si

service. Some 6-1. CHA

• BV □ BV



REF. NO. PART N

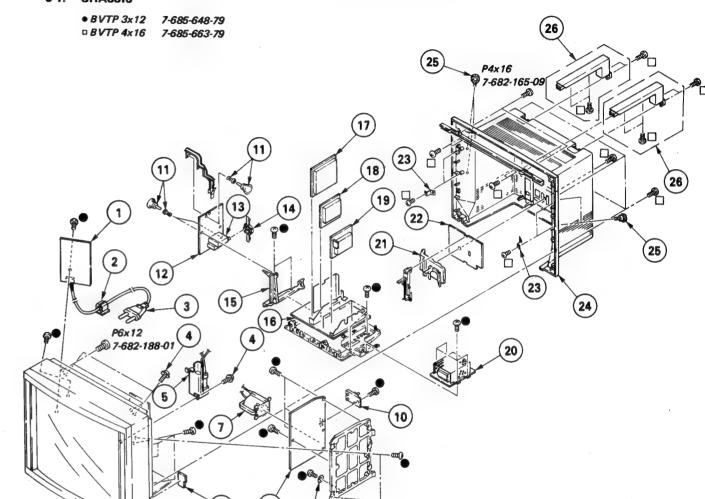
1 *A-1245 2 A 4-389-3 A 1-574-4 4-302-5 A 1-230-6 *1-627-7 A 1-439-8 *A-1345-9 3-701-10 A 1-238-11 4-386-12 *A-1296-13 A 1-465-

SECTION 6 EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled
- part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety. Replace only with part number

6-1. CHASSIS



~						
REF.NO. PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
4 4-302-934-00 5 1.1-230-940-31 6 *1-627-736-11 7 1.1-439-443-11 8 *A-1345-798-A 9 3-701-418-00 10 1.1-238-368-11 11 4-386-618-01	HOLDER, AC CORD CORD, POWER (WITH CONNECTOR) HEAD, WASHER, TAPPING SCREW RESISTOR ASSY, HIGH-VOLTAGE J2 BOARD TRANSFORMER ASSY, FLYBACK D BOARD, COMPLETE WASHER, SPECIAL RESISTOR ASSY, HIGH-VOLTAGE		17 18 19 20 21 22 23 24	*4-386-629-12 *A-1135-521-A *A-1275-093-A *A-1347-031-A *A-1135-526-A 1-413-380-11 *4-386-624-11 *A-1388-080-A 4-390-735-01 4-390-723-01	HOLDER, TERMINAL BRACKET, A B BOARD, COMPLETE Q BOARD, OMPLETE V BOARD, COMPLETE B1 BOARD, COMPLETE REGULATOR, SWITCHING (ZD-109) BRACKET, J J1 BOARD, COMPLETE BRACKET, SPEAKER COVER, REAR SCREW (B) ASSY, ORNAMENTAL HANDLE ASSY	

2SA1220A 2SC2611 2SC2688 2SD882 PC1377C 2SC3996



2SA1667

2SC4381 2SD795E 2SD1406

2SB734 2SD774

2SC1761

BF199 JA101 JC501

A124ES A144ES C114ES C124ES

C144ES 3772

2458

2712



2SC3298

2SK108

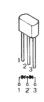
1SS119 188133 RD3.9ES-B3

RD3.9ES-L1 RD4.3ES-B2 RD4.7ES-B3 RD5.1ES-B2 RD6.8ES-B2

RD7.5ES-B3 RD9.1ES-B3



DAN202K

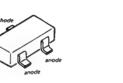


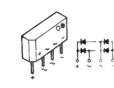
MC931



SIVB10S



















TLR124









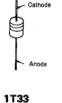


KBU4















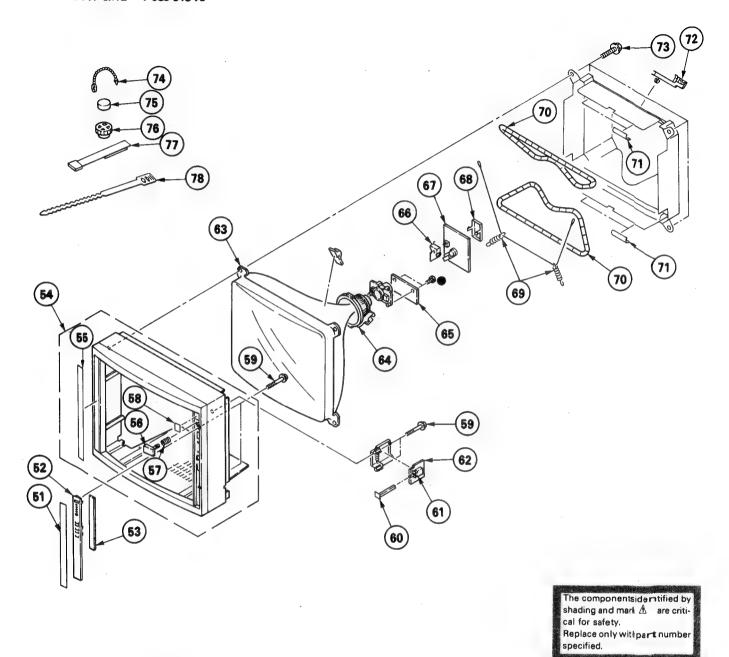






6-2. PICTURE TUBE

• BVTP 3x12 7-685-648-79



REF. NO. PART NO. DESCRIPTION REMARK REF. NO. PART NO. DESCRIPTION REMARK VM BOARD, COMPLETE COVER (MAIN), CV C BOARD, COMPLETE COVER (REAR LID), CV *A-1342-071-A *4-379-167-01 *A-1330-901-A *4-379-160-01 4-369-318-00 LABEL (B) (R) BRACKET, H PC BOARD H BOARD 51 52 53 54 55 57 58 59 60 4-390-734-01 4-390-734-01 4-390-714-01 *1-627-728-11 X-4390-701-1 4-390-704-01 2-666-528-00 66 67 68 BEZNET ASSY LABEL (L) BUTTON, POWER 55-58 SPRING, TENSION 69 COIL, DEMAGNETIZATION
PACKING, TWEETER
HOLDER, LEAD
SCREW (M), PT
CLIP, LEAD WIRE
MAGNET, DISK: 10MM &
MAGNET, ROTATABLE DISK: 15M &
PERMALLOY ASSY, CONVERGENC!
RAND RINDING **1-426-398-11** *4-860-518-11 *4-387-216-01 4-373-263-11 70 71 SPRING, COMPRESSION
LABEL (A) (R)
SCREW, SPECIAL (+PW4X30)
SHAFT, BUTTON
SWITCH, PUSH (AC POWER)
F1 BOARD
PICTUR ETUBE (A68JYK10X)
DEFLECTION YOKE (SY-191B) 3-666-528-00 4-390-732-01 4-319-520-11 4-390-705-01 72 73 74 75 76 77 78 4-308-870-00 61 A. 1-571-433-11 62 *1-627-734-11 1-452-032-00 1-452-094-00 X-4309-608-0 3-701-007-00 BAND, BINDING

KV-FX29TD RM-681

SECTION 7 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS COILS • MMH : ιπΗ, UH : μΗ • MF : μF, PF : μμF

RESISTORS

- All resistors are in ohms
 F: nonflammable

REF.NO. PART NO.	DESCRIPTION	N -		REMARK	REF. NO.	PART NO.	DESCRIPTION	l -		REMARK
*A-1135-521-A	B BUARD, CUI	MPLETE *****			C346 C347 C348 C349	1-136-153-00 1-130-479-00 1-124-499-11 1-136-153-00	MYLAR MYLAR ELECT	0.01MF 0.0047MF 1MF 0.01MF	10% 10% 20% 10%	50V 50V 50V 50V
	ELECT CERAMIC CERAMIC ELECT	47MF 0.01MF 470PF 47MF 15PF	20% 10% 5% 20% 5%	16V 50V 50V 16V 50V	C350 C351 C352 C353 C354	1-124-927-11 1-124-499-11 1-124-927-11 1-130-481-00 1-130-476-00	MYLAR	4.7MF 1MF 4.7MF 0.0068MF 0.0027MF	20% 20% 20% 10% 10%	50V 50V 50V 50V 50V
C006 1-102-947-00 C007 1-130-477-00 C009 1-124-927-11 C010 1-124-927-11 C011 1-124-927-11	CERAMIC MYLAR ELECT ELECT	10PF 0.0033MF 4.7MF 4.7MF 4.7MF		50V 50V 50V 50V 50V	C355 C401 C402 C403 C404	1-130-477-00 1-126-320-11 1-126-320-11 1-126-320-11 1-124-477-11	ELECT ELECT ELECT	0.0033MF 10MF 10MF 10MF 10MF 47MF	10% 20% 20% 20% 20% 20%	50V 16V 16V 16V 16V
C012 1-124-927-11 C013 1-101-361-00 C014 1-136-165-00	ELECT CERAMIC	4.7MF 150PF 0.1MF 0.1MF 270PF	20% 5% 5% 5% 5%	50V 50V 50V 50V 50V	C406 C407 C408 C409 C410	1-136-165-00 1-136-165-00 1-136-165-00 1-123-875-11 1-124-477-11	FILM FILM ELECT ELECT	0.1MF 0.1MF 0.1MF 10MF 47MF	5% 5% 5% 20% 20%	50V 50V 50V 50V 16V
CO19 1-124-477-11	ELECT	1000MF 100MF 47MF 1000MF 4.7MF	20% 20% 20% 20% 20%	16V 25V 16V 16V 50V	C418 C419	1-136-165-00 1-136-165-00 1-136-165-00 1-124-463-00 1-124-477-11	FILM FILM ELECT ELECT	0.1MF 0.1MF 0.1MF 0.1MF 47MF	5% 5% 20% 20%	50V 50V 50V 50V 16V
CO29 1-130-477-00	CERAMIC	10MF 0.01MF 0.0033MF 270PF 10MF	20% 10% 10% 20%	50V 50V 50V 50V 50V	C420 C421 C422 C423 C423	1-126-101-11 1-102-953-00 1-123-875-11 1-124-477-11 1-124-477-11	CERANIC ELECT ELECT	100MF 18PF 10MF 47MF 47MF	20% 5% 20% 20% 20%	16V 50V 50V 16V 16V
C045 1-124-463-00 C251 1-102-074-00 C252 1-124-927-11 C253 1-124-910-11 C254 1-136-165-00	CERAMIC	0.1MF 0.001MF 4.7MF 47MF 0.1MF	20% 10% 20% 20% 5%	50V 50V 50V 50V 50V	C435	1-123-875-11 1-123-875-11 1-124-477-11 1-124-477-11 1-123-875-11	ELECT ELECT ELECT	10MF 10MF 47MF 47MF 10MF	20% 20% 20% 20% 20%	50V 50V 16V 16V 50V
C256 1-136-167-00	ELECT FILM CERAMIC ELECT ELECT	1000MF 0.15MF 0.001MF 4.7MF 47MF	20% 5% 10% 20% 20%	35V 50V 50V 50V 50V	C4003 C4004 C4005	1-126-101-11 1-124-902-00 1-124-902-00 1-124-902-00 1-124-464-11	ELECT ELECT ELECT	100MF 0.47MF 0.47MF 0.47MF 0.22MF	20% 20% 20% 20% 20%	16V 50V 50V 50V 50V
C264 1-136-165-00 C265 1-126-105-11 C266 1-136-167-00 C271 1-124-122-11 C272 1-124-913-11	FILM ELECT FILM ELECT ELECT	0.1MF 1000MF 0.15MF 100MF 470MF		50V 35V 50V 50V 50V	C4008 C4009 C4010	1-124-464-11 1-124-464-11 1-102-816-00 1-102-959-00 1-126-233-11	ELECT CERAMIC	0.22MF 0.22MF 120PF 22PF 22MF	20% 20% 5% 5% 20%	50V 50V 50V 50V 50V
C273 1-136-165-00 C340 1-124-477-11 C341 1-136-157-00 C342 1-130-471-00 C344 1-130-471-00	FILM ELECT MYLAR MYLAR MYLAR	0.1MF 47MF 0.022MF 0.001MF 0.001MF	5% 20% 10% 10% 10%	50V 16V 50V 50V 50V	C4013 C4014 C4015	1-136-165-00 1-101-884-00 1-136-153-00 1-102-978-00 1-123-875-11	FILM CERAMIC MYLAR CERAMIC ELECT	0.1MF 56PF 0.01MF 220PF 10MF	5% 5% 10% 5% 20%	50V 50V 50V 50V 50V
C345 1-136-169-00		0.22MF	5%	50 V		1-101-004-00 1-124-499-11	CERAMIC ELECT	0.01MF 1MF	20%	50 V 50 V

The components identified by shading and mark $ilde{\Delta}$ are critical for safety.
Replace only with part number specified.



REF.NO. PART NO.	DESCRIPTION	REMARK	REF. NO. PART NO. DESCRIPTION	REMARK
C4019 1-101-004-00 C4020 1-123-875-11 C4021 1-124-477-11 C4022 1-124-499-11 C4023 1-102-112-00	CERAMIC 0.01MF ELECT 10MF 20% ELECT 47MF 20% ELECT 1MF 20% CERAMIC 330PF 10%	50V 50V 16V 50V 50V	D407 8-719-109-81 D10DE RD4.7ES-B2 D408 8-719-911-19 D10DE 1SS119 D411 8-719-911-19 D10DE 1SS119 D412 8-719-911-19 D10DE 1SS119 D413 8-719-911-19 D10DE 1SS119	
C4024 1-126-101-11 C4030 1-124-499-11 C4031 1-124-499-11 C4032 1-124-499-11	ELECT 1MF 20% ELECT 1MF 20%	16V 50V 50V 50V	D415 8-719-911-19 D10DE 1SS119 D416 8-719-911-19 D10DE 1SS119 D417 8-719-911-19 D10DE 1SS119 D4001 8-719-911-19 D10DE 1SS119 D4002 8-719-911-19 D10DE 1SS119	
<fil< td=""><td>TER> OSCILLATOR, CERAMIC</td><td></td><td>D4003 8-719-911-19 D10DE 1SS119 D4029 8-719-911-19 D10DE 1SS119</td><td></td></fil<>	TER> OSCILLATOR, CERAMIC		D4003 8-719-911-19 D10DE 1SS119 D4029 8-719-911-19 D10DE 1SS119	
CF001 1-567-686-11	OSCILLATOR, CERAMIC		D4030 8-719-911-19 D10DE 188119	
<con< td=""><td>INECTOR></td><td></td><td><1c></td><td></td></con<>	INECTOR>		<1c>	
CNB01 *1-564-511-11 CNB02 *1-564-508-11 CNB03 *1-566-367-11 CNB11 *1-566-660-11 CNB13 *1-564-881-11	PLUG, CONNECTOR 8P PLUG, CONNECTOR 5P CONNECTOR, HINGE (RECEPTACLE) CONNECTOR, HINGE (PLUG) 18P PLUG, CONNECTOR 4P		IC001	
CNB21 *1-566-367-11 CNB23 *1-564-511-11 CNB31 *1-565-501-11 CNB32 *1-565-501-11 CNB33 *1-564-509-11	CONNECTOR, HINGE (RECEPTACLE) PLUG, CONNECTOR 8P CONNECTOR, BOARD TO BOARD 10P CONNECTOR, BOARD TO BOARD 10P PLUG, CONNECTOR 6P		4-363-414-00 SPACER, MICA; IC005 *4-391-704-01 HOLDER (A), TR; IC005 IC251 8-759-803-31 IC LA4280 *4-368-683-01 SPRING; IC521 IC341 8-759-946-99 IC TDA2595-V7	
CNB42 *1-565-394-11 CNB43 *1-565-509-11 CNB44 *1-565-509-11	PIN, BOARD TO BOARD CONNECTOR PIN, BOARD TO BOARD CONNECTOR CONNECTOR, BOARD TO BOARD 18P CONNECTOR, BOARD TO BOARD 18P PIN, CONNECTOR (5MM PITCH) 2P		IC381 8-759-240-40 IC HD14040BP IC402 8-759-978-62 IC TDA8443A IC403 8-759-140-66 IC HD14066BP IC404 8-759-909-70 IC CX23025 IC4002 8-752-034-85 IC CXA1216P	
CNB62 *1-564-507-11 CNB63 *1-564-509-11	PLUG, CONNECTOR 4P PLUG, CONNECTOR 6P		IC4003 8-759-701-00 IC NJM7809A	
CNB81 *1-564-513-11 CNB83 *1-564-506-11 CNB89 *1-564-882-11	PLUG, CONNECTOR 10P PLUG, CONNECTOR 3P		<coil></coil>	
			LOO1 1-410-478-11 INDUCTOR 47UH LOO2 1-410-471-11 INDUCTOR 12UH	
D002 8-719-911-19	DIODE RD3.9ES-L1 DIODE 1SS119 DIODE 1SS119		L003 1-408-225-00 INDUCTOR 3.3UH L027 1-410-478-11 INDUCTOR 47UH L4001 1-408-411-00 INDUCTOR 15UH	
D004 8-719-911-19	DIODE 188119 DIODE 188119		<ic link=""></ic>	
D006 8-719-911-19	DIODE 1SS119		PS001& 1-532-637-91 LINK, IC	
D007 8-719-110-80 D008 8-719-911-19 D009 8-719-911-19	DIODE RD33ES-B4 DIODE 1SS119 DIODE 1SS119		<transistor></transistor>	
D011 8-719-911-19	DIODE 188119		Q001 8-729-117-54 TRANSISTOR 2SA1175 Q002 8-729-178-54 TRANSISTOR 2SC2785	
D012 8-719-911-19 D271 8-719-110-14 D341 8-719-911-19 D342 8-719-911-19	D10DE 1SS119 D10DE RD9.1ES-B3 D10DE 1SS119 D10DE 1SS119		Q003 8-729-117-54 TRANSISTOR 2SA1175 Q004 8-729-117-54 TRANSISTOR 2SA1175 Q005 8-729-900-65 TRANSISTOR DTA144ES	
D344 8-719-120-14 D347 8-719-911-19	DIODE RD3.9ES-L1 DIODE 1SS119		Q271 8-729-900-36 TRANSISTOR DTC124ES Q340 8-729-178-54 TRANSISTOR 2SC2785 Q341 8-729-178-54 TRANSISTOR 2SC2785	
D348 8-719-911-19 D371 8-719-936-83	DIODE 1SS119 DIODE GPO8DPKG23		Q342	
D381 8-719-911-19 D401 8-719-110-04	DIODE 1SS119 DIODE RD7.5ES-B3		Q344 8-729-178-54 TRANSISTOR 2SC2785	
D402	DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE 1SS119 DIODE 1SS119		Q345	
D406 8-719-911-19	DIODE 155119		Q383 8-729-900-89 TRANSISTOR DTC144ES Q401 8-729-178-54 TRANSISTOR 2SC2785	



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
Q402 8-729 178-54 Q403 8-729-178-54 Q404 8-729-178-54 Q405 8-729-178-54 Q406 8-729-178-54	DESCRIPTION TRANSISTOR 2SC2785 TRANSISTOR DTC124ES SISTOR> CARBON 470 CARBON 15K 55 CARBON 10K 55 C		R031 R032 R033 R037 R038	1-249-429-11 1-249-429-11 1-249-429-11 1-249-417-11 1-249-417-11		10K 10K 10K 1K 1K	5%%%%% 5555555555	1/4W 1/4W 1/4W 1/4W 1/4W	
Q407 8-729-178-54 Q408 8-729-117-54 Q409 8-729-178-54 Q410 8-729-178-54 Q411 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785		R039 R040 R041 R042 R043	1-249-417-11 1-249-417-11 1-249-417-11 1-249-417-11 1-249-413-11	CARBON CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q412 8-729-178-54 Q415 8-729-178-54 Q418 8-729-178-54 Q419 8-729-117-54 Q420 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SA1175 TRANSISTOR 2SC2785		R044 R045 R046 R047 R048	1-249-413-11 1-249-411-11 1-249-429-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON CARBON	470 330 10K 10K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q421 8-729-117-54 Q422 8-729-178-54 Q423 8-729-117-54 Q424 8-729-178-54 Q425 8-729-178-54	TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785		R049 R050 R051 R052 R053	1-249-429-11 1-249-429-11 1-249-429-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON	10K 10K 10K 10K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q431 8-729-178-54 Q4001 8-729-178-54 Q4004 8-729-177-54 Q4005 8-729-178-54 Q4006 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785		R054 R055 R056 R057 R058	1-249-413-11 1-249-413-11 1-249-429-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON	470 470 10K 10K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q4007 8-729-178-54 Q4008 8-729-178-54 Q4009 8-729-178-54 Q4011 8-729-600-12 Q4019 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SK108 TRANSISTOR 2SC2785		R059 R060 R061 R062 R063	1-249-417-11 1-249-417-11 1-249-413-11 1-249-423-11 1-249-435-11	CARBON CARBON CARBON			1/4W 1/4W 1/4W 1/4W 1/4W	
Q4024 8-729-600-12 Q4027 8-729-117-54 Q4028 8-729-178-54 Q4029 8-729-178-54 Q4033 8-729-900-36	TRANSISTOR 25K108 TRANSISTOR 25A1175 TRANSISTOR 25C2785 TRANSISTOR 25C2785 TRANSISTOR DTC124ES		R064 R065 R066 R067 R068	1-249-441-11 1-249-425-11 1-249-425-11 1-249-425-11 1-249-431-11	CARBON CARBON	100K 4.7K 4.7K 4.7K 4.7K 15K	5%	1/4W 1/4W 1/4W 1/4W 1/4W	
44045 8-729-900-63 <re< td=""><td>TRANSISTOR DTA124ES SISTOR></td><td></td><td>R069 R070 R071 R072</td><td>1-249-429-11 1-249-421-11 1-249-413-11 1-249-413-11</td><td>CARBON CARBON</td><td>10K 2.2K 470 470</td><td>5% 5% 5% 5%</td><td>1/4W 1/4W 1/4W 1/4W</td><td></td></re<>	TRANSISTOR DTA124ES SISTOR>		R069 R070 R071 R072	1-249-429-11 1-249-421-11 1-249-413-11 1-249-413-11	CARBON CARBON	10K 2.2K 470 470	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R001 1-249-413-11 R002 1-249-431-11 R003 1-249-425-11 R005 1-249-429-11 R007 1-249-429-11	CARBON 470 55 CARBON 15K 55 CARBON 4.7K 55 CARBON 10K 55 CARBON 10K 55	% 1/4W % 1/4W % 1/4W 1/4W 1/4W	R073 R074 R076 R077 R078	1-249-417-11 1-249-427-11 1-249-437-11 1-249-437-11 1-249-437-11	CARBON	1K 6.8K		1/4W 1/4W 1/4W 1/4W 1/4W	
R008 1-249-429-11 R009 1-249-429-11 R010 1-249-429-11 R011 1-249-429-11 R012 1-249-429-11	CARBON 10K 55 CARBON 10K 55 CARBON 10K 55 CARBON 10K 55	% 1/4W % 1/4W % 1/4W % 1/4W	R079 R082 R083 R084 R251	1-249-429-11 1-249-429-11 1-249-417-11 1-249-429-11 1-249-419-11	CARBON CARBON CARBON CARBON CARBON CARBON	10K 10K 1K 10K 1.5K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R013 1-249-429-11 R014 1-249-429-11 R015 1-249-425-11 R016 1-249-417-11 R017 1-249-419-11	CARBON 10K 55 CARBON 10K 55 CARBON 4.7K 55 CARBON 1K 55 CARBON 1.5K 55	X 1/4W X 1/4W X 1/4W 1/4W X 1/4W	R252 R253 R254 R261 R262	1-249-423-11 1-249-405-11 1-249-385-11 1-249-419-11 1-249-423-11	CARBON CARBON CARBON CARBON CARBON CARBON	3.3K 100 2.2 1.5K 3.3K	5% 5% 5% 5% 5%	1/4₩ 1/4₩	F
R019 1-249-432-11 R020 1-249-439-11 R021 1-249-429-11 R022 1-249-429-11 R023 1-249-429-11	CARBON 18K 57 CARBON 68K 57 CARBON 10K 57 CARBON 10K 57 CARBON 10K 57		R263 R264 R271 R272 R273	1-249-405-11 1-249-385-11 1-249-413-11 1-249-429-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	100 2.2 470 10K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
R024 1-249-438-11 R025 1-249-429-11 R026 1-249-429-11 R029 1-249-429-11 R030 1-249-431-11	CARBON 56K 57 CARBON 10K 57 CARBON 10K 57 CARBON 10K 57 CARBON 10K 57 CARBON 15K 57	% 1/4W % 1/4W	R340 R341 R342 R343	1-249-431-11 1-249-425-11 1-247-891-00	CARBON CARBON CARBON CARBON	15K 4.7K 330K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	



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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R344 R345	1-249-425-11 1-249-429-11	CARBON CARBON	4.7K 10K 4.7K	5% 5%	1/4W 1/4W		R433	1-249-411-11		330	5%	1/4₩	
R346 R347 R348	1-249-425-11 1-249-417-11 1-249-437-11	CARBON CARBON CARBON	4.7K 1K 47K	5% 5% 5%	1/4W 1/4W 1/4W		R434 R437 R438	1-249-409-11 1-249-429-11 1-249-427-11	CARBON CARBON	220 10K 6.8K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
R349 R350	1-249-429-11 1-249-433-11	CARBON CARBON	10K 22K		1/4W 1/4W		R439 R440	1-249-413-11 1-249-409-11	CARBON	470 220	5% 5%	1/4W 1/4W	
R351 R352 R353	1-249-423-11 1-247-883-00 1-249-416-11	CARBON CARBON CARBON	3.3K 150K 820	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W		R441 R442 R443	1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON	1 K 1 K 1 K	5% 5% 5% 5%	1/4W 1/4W 1/4W	•
R354 R355	1-249-415-11 1-249-437-11	CARBON CARBON	680 47K	5% 5% 5%	1/4W 1/4W		R444 R445	1-249-429-11 1-249-427-11	CARBON	10K 6.8K	5% 5%	1/4W 1/4W	
R356 R357 R358	1-249-441-11 1-247-881-00 1-249-430-11	CARBON CARBON CARBON	100K 120K 12K	5% 5% 5% 5%	1/4W 1/4W 1/4W		R446 R453 R456	1-249-417-11 1-249-413-11 1-249-417-11	CARBON CARBON CARBON	1K 470 1K	5% 5%	1/4W 1/4W 1/4W	
R360	1-249-425-11	CARBON	4.7K		1/4W		R460 R461	1-249-413-11 1-249-413-11 1-249-413-11	CARBON	470 470	5% 5% 5% 5%	1/4W 1/4W 1/4W	
R361 R362 R363	1-249-423-11 1-249-433-11 1-249-433-11	CARBON CARBON CARBON	3.3K 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W		R462 R463	1-249-413-11 1-249-413-11	CARBON	470 470	5% 5% 5%	1/4W 1/4W	
R364 R365	1-249-418-11 1-249-425-11	CARBON	1.2K 4.7K	5%	1/4W 1/4W		R466 R467 R468	1-249-417-11 1-249-425-11 1-249-415-11	CARBON CARBON CARBON	1K 4.7K 680	5% 5%	1/4W 1/4W 1/4W	
R366 R367 R368	1-249-417-11 1-249-421-11 1-249-429-11	CARBON CARBON CARBON	1K 2.2K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W		R470 R471	1-249-425-11 1-249-415-11	CARBON	4.7K 680	5% 5% 5%	1/4W 1/4W	
R369 R370	1-249-425-11 1-249-413-11	CARBON CARBON	4.7K 470		1/4W 1/4W		R473 R474 R476	1-249-425-11 1-249-415-11 1-249-417-11		4.7K 680 1K	5% 5% 5%	1/4W 1/4W 1/4W	
R371 R372 R373	1-249-405-11 1-249-405-11 1-249-417-11	CARBON CARBON	100 100 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W		R477 R478	1-249-441-11 1-249-429-11	CARBON	100K 10K	5% 5%	1/4W 1/4W	
R374 R375	1-249-431-11 1-249-435-11	CARBON CARBON	15K 33K		1/4W 1/4W		R479 R480 R481	1-249-429-11 1-249-429-11 1-249-407-11	CARBON	10K 10K 150	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W	
R376 R377 R378	1-249-419-11 1-249-421-11 1-249-422-11	CARBON CARBON CARBON	1.5K 2.2K 2.7K	5% 5% 5%	1/4W 1/4W 1/4W		R482 R483	1-249-417-11 1-249-417-11	CARBON CARBON	1 K 1 K	5% 5%	1/4W 1/4W	
R381 R404	1-249-429-11	CARBON CARBON	10K 10K	5% 5% 5%	1/4W		R484 R489 R490	1-249-433-11 1-247-891-00 1-247-891-00	CARBON CARBON CARBON	22K 330K 330K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
R405 R406 R407	1-249-429-11 1-249-417-11 1-249-429-11	CARBON CARBON CARBON	10K 1K 10K	5% 5%	1/4W 1/4W 1/4W		R491	1-249-417-11 1-249-436-11	CARBON	1K 39K		1/4W 1/4W	
R408 R409	1-249-429-11 1-249-417-11	CARBON CARBON	ÎÖK 1K	5% 5%	1/4W 1/4W		R4002 R4003	1-249-437-11 1-249-432-11 1-249-436-11	CARBON CARBON	47K 18K 39K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W	
R410 R411 R412	1-249-429-11 1-249-429-11 1-249-417-11	CARBON CARBON CARBON	10K 10K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W			1-249-435-11 1-249-435-11	CARBON CARBON	33K 33K	5% 5% 5%	1/4W 1/4W	
R413 R414	1-249-403-11	CARBON	68 68		1/4W 1/4W		R4007 R4008 R4009	1-249-421-11 1-249-421-11 1-249-421-11	CARBON CARBON CARBON	2.2K 2.2K 2.2K	5% 5% 5%	1/4W 1/4W 1/4W	
R415 R416 R417	1-249-403-11 1-249-419-11	CARBON CARBON	68 1.5K 330	5% 5% 5%	1/4W 1/4W 1/4W		R4010	1-249-436-11	CARBON CARBON	39K		1/4W 1/4W	
R418 R419	1-249-411-11	CARBON CARBON	1.5K	5% 5%	1/4W		R4012 R4014	1-249-417-11 1-249-417-11 1-249-441-11	CARBON CARBON	1 K 1 K 1 O O K	5% 5% 5%	1/4W 1/4W	
R420 R421	1-249-411-11 1-249-419-11 1-249-411-11	CARBON CARBON CARBON	330 1.5K 330	5% 5% 5%	1/4W 1/4W 1/4W		R4016	1-249-441-11	CARBON	100K	5% 5%	1/4W 1/4W	
R422 R423	1-249-429-11 1-249-429-11	CARBON CARBON	10K 10K	5% 5%	1/4W 1/4W		R4019	1-249-425-11 1-247-895-00 1-249-424-11	CARBON CARBON CARBON	4.7K 470K 3.9K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
R424 R425 R426	1-249-421-11 1-247-804-11 1-249-409-11	CARBON CARBON CARBON	2.2K 75 220	5% 5% 5%	1/4W 1/4W 1/4W			1-249-429-11 1-249-429-11	CARBON CARBON	10K 10K	5%	1/4W 1/4W	
R427 R428	1-249-425-11 1-249-425-11	CARBON CARBON	4.7K 4.7K	5% 5%	1/4W 1/4W		R4022 R4023 R4024	1-249-405-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON	100 100 100	5% 5% 5%	1/4W 1/4W 1/4W	
R429 R430 R431	1-249-429-11 1-249-413-11 1-249-413-11	CARBON CARBON CARBON	10K 470 470	5% 5% 5%	1/4W 1/4W 1/4W		R4025	1-249-415-11	CARBON CARBON	680 330K	5% 5%	1/4W 1/4W	
R432	1-249-425-11	CARBON	4.7K	5%	1/4W			1-249-429-11	CARBON	10K	5%	1/4W	





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	REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTIO	N -		REMARK																																																																																																																																																																																																
	R4031 1-249-417-11		1K 5% 27K 5% 560 5% 1K 5% 3.9K 5%	1/4W 1/4W 1/4W 1/4W		C3040	1-101-361-00 1-102-951-00 1-101-361-00 1-102-971-00	CERAMIC CERAMIC	150PF 15PF 150PF 82PF	5% 5% 5% 5%	50V 50V 50V 50V																																																																																																																																																																																																
		CARBON CARBON	330 5% 220 5% 1K 5% 2.2K 5% 4.7K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C3076 C3077	1-124-963-11 1-124-477-11 1-101-361-00 1-124-477-11	ELECT CERAMIC	33MF 47MF 150PF 47MF	20% 20% 5% 20%	16V 16V 50V 16V																																																																																																																																																																																																
	R4038 1-249-441-11 R4039 1-249-433-11 R4040 1-249-441-11 R4041 1-249-425-11 R4042 1-249-441-11		100K 5% 22K 5% 100K 5% 4.7K 5% 100K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		CNB131 CNB132	*1-565-486-11 *1-565-486-11	CONNECTOR, I	BOARD TO BO BOARD TO BO	ARD 10P ARD 10P																																																																																																																																																																																																	
	R4043 1-249-429-11 R4045 1-249-425-11 R4046 1-249-419-11		10K 5% 4.7K 5% 1.5K 5%	1/4W 1/4W 1/4W		CT3001 CT3002	<tr 1-141-181-11="" 1-141-181-11<="" td=""><td>IMMER> CAP,TRIMMER CAP,TRIMMER</td><td></td><td></td><td></td></tr> <tr><td></td><td><var< td=""><td>IABLE RESISTOR:</td><td>></td><td></td><td></td><td></td><td><di(< td=""><td>ODE></td><td></td><td></td><td></td></di(<></td></var<></td></tr> <tr><td></td><td>RV341 1-228-996-00 RV4001 1-228-996-00</td><td>RES, ADJ, CARI</td><td>BON 47K</td><td></td><td></td><td>D3002 D3003</td><td>8-719-911-19 8-719-911-19 8-719-911-19</td><td>DIODE 188119 DIODE 188119 DIODE 188119</td><td>))</td><td></td><td></td></tr> <tr><td></td><td>**************************************</td><td>B1 BOARD, COM</td><td>PLETE</td><td>********</td><td></td><td>D3010</td><td>8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19</td><td>DIODE 188119</td><td>) }</td><td></td><td></td></tr> <tr><td></td><td>*4-376-533-01 *4-376-534-01 *4-376-535-01</td><td>CASE (MAIN), S CASE (UPPER), CASE (BOTTOM),</td><td>SHIELD</td><td></td><td></td><td>DL3001</td><td><dei< td=""><td>.AY LINE></td><td></td><td></td><td></td></dei<></td></tr> <tr><td></td><td><fil< td=""><td>TER></td><td></td><td></td><td></td><td></td><td>1-415-613-11</td><td></td><td>Y</td><td></td><td></td></fil<></td></tr> <tr><td></td><td>BP3001 1-235-835-11</td><td>FILTER, BAND F</td><td>PASS</td><td></td><td></td><td></td><td><ic></ic></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td><cap.< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>8-759-947-20 8-752-006-10</td><td></td><td>8</td><td></td><td></td></cap.<></td></tr> <tr><td></td><td>C3004 1-102-816-00</td><td>CERAMIC 6</td><td>220PF 220PF 68PF 120PF 18PF</td><td>5% 5% 5%</td><td>50V 50V 50V 50V 50V</td><td>L3002</td><td><01 1-404-554-11 1-404-554-11</td><td>COIL</td><td></td><td></td><td></td></tr> <tr><td></td><td>C3006 1-102-953-00 C3007 1-102-816-00 C3008 1-101-888-00 C3009 1-101-004-00</td><td>CERAMIC 6 CERAMIC 6</td><td>18PF 120PF 58PF 0.01MF</td><td>5% 5%</td><td>50V 50V 50V 50V</td><td>L3004 L3005 L3006</td><td>1-404-539-11 1-408-408-00 1-404-554-11 1-408-429-00</td><td>INDUCTOR COIL INDUCTOR</td><td>8.2UH 470UH</td><td></td><td></td></tr> <tr><td></td><td>C3010 1-136-153-00 C3011 1-136-157-00 C3012 1-136-165-00 C3013 1-124-119-00</td><td>MYLAR COMYLAR COMPLETE COMPLICATION COMPLETE COM</td><td>0.01MF 0.022MF 0.1MF 330MF</td><td>10% 10% 20%</td><td>50V 50V 50V 16V</td><td>L3009 L3010</td><td>1-404-495-00 1-410-476-11 1-404-495-00 1-408-423-00</td><td>COIL INDUCTOR COIL INDUCTOR</td><td>33UH 150UH</td><td></td><td></td></tr> <tr><td></td><td>C3014 1-124-499-11 C3015 1-124-499-11 C3016 1-136-161-00</td><td>ELECT 1</td><td>LMF LMF).047MF</td><td>20%</td><td>50V 50V</td><td></td><td>1-408-423-00 1-410-482-31 1-408-406-00</td><td>INDUCTOR INDUCTOR INDUCTOR</td><td>150UH 100UH 5.6UH</td><td></td><td></td></tr> <tr><td></td><td>C3017 1-136-173-00 C3018 1-101-006-00</td><td>FILM CERAMIC C</td><td>).47MF).047MF</td><td>5%</td><td>50V 50V</td><td></td><td><tra< td=""><td>NS1STOR></td><td></td><td></td><td></td></tra<></td></tr> <tr><td></td><td>C3019 1-136-157-00 C3020 1-136-157-00</td><td>MYLAR C</td><td>0.022MF 0.022MF</td><td>10%</td><td>50V 50V</td><td>Q3001 Q3002</td><td>8-729-178-54 8-729-178-54</td><td>TRANSISTOR 2</td><td></td><td></td><td></td></tr> <tr><td></td><td>C3021 1-102-074-00 C3023 1-102-074-00 C3024 1-101-004-00 C3025 1-101-004-00</td><td>CERAMIC CERAMIC CERAMIC</td><td>0.001MF 0.001MF 0.01MF 0.01MF</td><td>10%</td><td>50V 50V 50V 50V</td><td>Q3003 Q3004 Q3006</td><td>8-729-900-36 8-729-178-54 8-729-900-36</td><td>TRANSISTOR 2: TRANSISTOR D' TRANSISTOR D'</td><td>TC124ES SC2785 TC124ES</td><td></td><td></td></tr> <tr><td></td><td>C3031 1-124-963-11 C3032 1-124-120-11</td><td></td><td>33MF 220MF</td><td>20%</td><td>16V 16V</td><td>Q3008</td><td>8-729-900-36 8-729-900-36 8-729-178-54</td><td>TRANSISTOR D' TRANSISTOR D' TRANSISTOR 2</td><td>TC124ES</td><td></td><td></td></tr> <tr><td></td><td>1 124-120-11</td><td>ELECT 2</td><td>ZZONI.</td><td>4U/a</td><td>104 1</td><td>受しいして</td><td>0 147 110 34</td><td>TRANSISTOR 2</td><td>364103</td><td></td><td></td></tr>	IMMER> CAP,TRIMMER CAP,TRIMMER					<var< td=""><td>IABLE RESISTOR:</td><td>></td><td></td><td></td><td></td><td><di(< td=""><td>ODE></td><td></td><td></td><td></td></di(<></td></var<>	IABLE RESISTOR:	>				<di(< td=""><td>ODE></td><td></td><td></td><td></td></di(<>	ODE>					RV341 1-228-996-00 RV4001 1-228-996-00	RES, ADJ, CARI	BON 47K			D3002 D3003	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119 DIODE 188119))				**************************************	B1 BOARD, COM	PLETE	********		D3010	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119) }				*4-376-533-01 *4-376-534-01 *4-376-535-01	CASE (MAIN), S CASE (UPPER), CASE (BOTTOM),	SHIELD			DL3001	<dei< td=""><td>.AY LINE></td><td></td><td></td><td></td></dei<>	.AY LINE>					<fil< td=""><td>TER></td><td></td><td></td><td></td><td></td><td>1-415-613-11</td><td></td><td>Y</td><td></td><td></td></fil<>	TER>					1-415-613-11		Y				BP3001 1-235-835-11	FILTER, BAND F	PASS				<ic></ic>						<cap.< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>8-759-947-20 8-752-006-10</td><td></td><td>8</td><td></td><td></td></cap.<>	ACITOR>					8-759-947-20 8-752-006-10		8				C3004 1-102-816-00	CERAMIC 6	220PF 220PF 68PF 120PF 18PF	5% 5% 5%	50V 50V 50V 50V 50V	L3002	<01 1-404-554-11 1-404-554-11	COIL					C3006 1-102-953-00 C3007 1-102-816-00 C3008 1-101-888-00 C3009 1-101-004-00	CERAMIC 6 CERAMIC 6	18PF 120PF 58PF 0.01MF	5% 5%	50V 50V 50V 50V	L3004 L3005 L3006	1-404-539-11 1-408-408-00 1-404-554-11 1-408-429-00	INDUCTOR COIL INDUCTOR	8.2UH 470UH				C3010 1-136-153-00 C3011 1-136-157-00 C3012 1-136-165-00 C3013 1-124-119-00	MYLAR COMYLAR COMPLETE COMPLICATION COMPLETE COM	0.01MF 0.022MF 0.1MF 330MF	10% 10% 20%	50V 50V 50V 16V	L3009 L3010	1-404-495-00 1-410-476-11 1-404-495-00 1-408-423-00	COIL INDUCTOR COIL INDUCTOR	33UH 150UH				C3014 1-124-499-11 C3015 1-124-499-11 C3016 1-136-161-00	ELECT 1	LMF LMF).047MF	20%	50V 50V		1-408-423-00 1-410-482-31 1-408-406-00	INDUCTOR INDUCTOR INDUCTOR	150UH 100UH 5.6UH				C3017 1-136-173-00 C3018 1-101-006-00	FILM CERAMIC C).47MF).047MF	5%	50V 50V		<tra< td=""><td>NS1STOR></td><td></td><td></td><td></td></tra<>	NS1STOR>					C3019 1-136-157-00 C3020 1-136-157-00	MYLAR C	0.022MF 0.022MF	10%	50V 50V	Q3001 Q3002	8-729-178-54 8-729-178-54	TRANSISTOR 2					C3021 1-102-074-00 C3023 1-102-074-00 C3024 1-101-004-00 C3025 1-101-004-00	CERAMIC CERAMIC CERAMIC	0.001MF 0.001MF 0.01MF 0.01MF	10%	50V 50V 50V 50V	Q3003 Q3004 Q3006	8-729-900-36 8-729-178-54 8-729-900-36	TRANSISTOR 2: TRANSISTOR D' TRANSISTOR D'	TC124ES SC2785 TC124ES				C3031 1-124-963-11 C3032 1-124-120-11		33MF 220MF	20%	16V 16V	Q3008	8-729-900-36 8-729-900-36 8-729-178-54	TRANSISTOR D' TRANSISTOR D' TRANSISTOR 2	TC124ES				1 124-120-11	ELECT 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	BP3001 1-235-835-11	FILTER, BAND F	PASS				<ic></ic>																																																																																																																																																																																																				
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	C3004 1-102-816-00	CERAMIC 6	220PF 220PF 68PF 120PF 18PF	5% 5% 5%	50V 50V 50V 50V 50V	L3002	<01 1-404-554-11 1-404-554-11	COIL																																																																																																																																																																																																			
	C3006 1-102-953-00 C3007 1-102-816-00 C3008 1-101-888-00 C3009 1-101-004-00	CERAMIC 6 CERAMIC 6	18PF 120PF 58PF 0.01MF	5% 5%	50V 50V 50V 50V	L3004 L3005 L3006	1-404-539-11 1-408-408-00 1-404-554-11 1-408-429-00	INDUCTOR COIL INDUCTOR	8.2UH 470UH																																																																																																																																																																																																		
	C3010 1-136-153-00 C3011 1-136-157-00 C3012 1-136-165-00 C3013 1-124-119-00	MYLAR COMYLAR COMPLETE COMPLICATION COMPLETE COM	0.01MF 0.022MF 0.1MF 330MF	10% 10% 20%	50V 50V 50V 16V	L3009 L3010	1-404-495-00 1-410-476-11 1-404-495-00 1-408-423-00	COIL INDUCTOR COIL INDUCTOR	33UH 150UH																																																																																																																																																																																																		
	C3014 1-124-499-11 C3015 1-124-499-11 C3016 1-136-161-00	ELECT 1	LMF LMF).047MF	20%	50V 50V		1-408-423-00 1-410-482-31 1-408-406-00	INDUCTOR INDUCTOR INDUCTOR	150UH 100UH 5.6UH																																																																																																																																																																																																		
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	C3019 1-136-157-00 C3020 1-136-157-00	MYLAR C	0.022MF 0.022MF	10%	50V 50V	Q3001 Q3002	8-729-178-54 8-729-178-54	TRANSISTOR 2																																																																																																																																																																																																			
	C3021 1-102-074-00 C3023 1-102-074-00 C3024 1-101-004-00 C3025 1-101-004-00	CERAMIC CERAMIC CERAMIC	0.001MF 0.001MF 0.01MF 0.01MF	10%	50V 50V 50V 50V	Q3003 Q3004 Q3006	8-729-900-36 8-729-178-54 8-729-900-36	TRANSISTOR 2: TRANSISTOR D' TRANSISTOR D'	TC124ES SC2785 TC124ES																																																																																																																																																																																																		
	C3031 1-124-963-11 C3032 1-124-120-11		33MF 220MF	20%	16V 16V	Q3008	8-729-900-36 8-729-900-36 8-729-178-54	TRANSISTOR D' TRANSISTOR D' TRANSISTOR 2	TC124ES																																																																																																																																																																																																		
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The components identified by shading and mark $ilde{\Lambda}$ are critical for safety.
Replace only with part number specified.

B1 F1 F2

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	N -			REMARK
Q3013 8-729-178-54 Q3020 8-729-178-54 Q3021 8-729-178-54 Q3025 8-729-178-54 Q3026 8-729-900-36	TRANSISTOR 2SC278 TRANSISTOR 2SC278 TRANSISTOR 2SC278 TRANSISTOR 2SC278 TRANSISTOR DTC124	5 5 5			R3086 R3087 R3088	1-249-417-11 1-249-435-11 1-249-416-11 1-249-414-11	CARBON CARBON CARBON	1K 33K 820 560	5% 5% 5% 5%	1/4W 1/4W 1/4W	
Q3027 8-729-178-54 Q3028 8-729-178-54 Q3031 8-729-178-54 Q3032 8-729-117-54	TRANSISTOR 2SC278 TRANSISTOR 2SC278 TRANSISTOR 2SC278 TRANSISTOR 2SA117	5 5			R3090 R3091 R3092	1-249-417-11 1-249-410-11 1-249-413-11 1-249-412-11	CARBON CARBON CARBON	1K 270 470 390	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td>R3093 R3094</td><td>1-249-409-11 1-249-417-11</td><td></td><td>220 1K</td><td>5% 5%</td><td>1/4W 1/4W</td><td></td></res<>	SISTOR>				R3093 R3094	1-249-409-11 1-249-417-11		220 1K	5% 5%	1/4W 1/4W	
R3001 1-249-418-11 R3002 1-249-415-11 R3003 1-249-408-11 R3004 1-249-412-11 R3005 1-249-418-11	CARBON 1.2 CARBON 680 CARBON 180 CARBON 390 CARBON 1.2	5% 5%	1/4W 1/4W 1/4W 1/4W		RV3001	1-230-504-11			0		
R3006 1-249-429-11 R3007 1-215-438-00	CARBON 10K METAL 5.1	5% K 1%	1/4W 1/6W		T2001	<tra 1-404-584-11</tra 	INSFORMER>				
R3008 1-249-439-11 R3009 1-249-430-11	CARBON 68K CARBON 12K	5%	1/4W 1/4W		13001	1-404-384-11	COIL				
R3011 1-249-439-11 R3012 1-249-414-11	CARBON 68K		1/4W		W2001		STAL>				
R3013 1-249-433-11 R3015 1-249-437-11 R3017 1-249-441-11	CARBON 560 CARBON 22K CARBON 47K CARBON 100	5% 5%	1/4W 1/4W 1/4W 1/4W		X3002	1-567-131-00 1-567-413-11	VIBRATOR, CF	RYSTAL		*****	******
R3018 1-249-419-11	CARBON 1.5	K 5%	1/4W			*1-627-734 - 11	F1 BOARD		*****		****
R3019 1-249-410-11 R3020 1-249-416-11 R3021 1-249-417-11 R3022 1-249-410-11 R3023 1-249-423-11	CARBON 270 CARBON 820 CARBON 1K CARBON 270 CARBON 3.3	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			<con< td=""><td>******** NECTOR></td><td></td><td></td><td></td><td></td></con<>	******** NECTOR>				
R3024 1-249-405-11	CARBON 100	-	1/4W		CNF62	1-566-664-11	PIN, CONNECT	'OR 4P			
R3025 1-249-435-11 R3026 1-249-416-11 R3027 1-249-436-11 R3028 1-249-419-11	CARBON 33K CARBON 820 CARBON 39K CARBON 1.5	5% 5%	1/4W 1/4W 1/4W 1/4W		S1601A	<swi 1-571-433-11</swi 		L (AC PO	WEB)		
R3029 1-249-436-11 R3030 1-249-435-11 R3031 1-249-419-11 R3032 1-249-414-11 R3033 1-249-435-11	CARBON 39K CARBON 33K CARBON 1.5 CARBON 560 CARBON 33K	5% K 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			************** *A-1245-436-A		MPLETE	*****	*****	******
R3034 1-249-436-11 R3035 1-249-436-11	CARBON 39K CARBON 39K	5% 5%	1/4W 1/4W			<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>				
R3037 1-249-429-11 R3038 1-249-429-11 R3039 1-249-419-11	CARBON 10K CARBON 10K CARBON 1.5		1/4W 1/4W 1/4W		C1602A C1604A	1-136-519-11 1-136-518-11 1-161-964-61 1-161-964-61	FILM FILM CERAMIC CERAMIC	0.47MF 0.33MF 0.0047	T	20% 20%	300V 300V 250V 250V
R3040 1-249-421-11 R3048 1-249-434-11 R3049 1-249-405-11 R3056 1-247-893-11 R3057 1-247-893-11	CARBON 2.2 CARBON 27K CARBON 100 CARBON 390 CARBON 390	5% 5% K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C1606 C1607 C1608A C1609A	1-162-599-12 1-125-318-00 1-162-578-51 1-162-578-51	CERAMIC ELECT (BLOCK) CERAMIC CERAMIC	0.0047	if Ir	20% 20% 20%	400V 400V 400V 400V
R3058 1-249-409-11 R3061 1-249-421-11 R3062 1-249-421-11	CARBON 220 CARBON 2.2 CARBON 2.2	5% K 5% K 5%	1/4W 1/4W 1/4W		C1611A	1-162-578-51 1-162-578-51 1-124-556-11	CERAMIC CERAMIC ELECT	0.00471 0.00471 2200MF	(F	20% 20%	400V 400V 16V
R3063 1-249-401-11 R3064 1-249-433-11	CARBON 47 CARBON 22K	5%	1/4W 1/4W	•	C1613 C1614	1-124-911-11 1-123-875-11	ELECT ELECT	220MF 10MF		20% 20%	50 V 50 V
R3065 1-249-433-11 R3071 1-249-423-11	CARBON 22K CARBON 3.3	K 5%	1/4W 1/4W			1-124-473-11 1-124-477-11	ELECT ELECT	1000MF 47MF		20% 20%	10V 16V
R3072 1-249-433-11 R3075 1-249-437-11 R3076 1-249-437-11	CARBON 3.3 CARBON 47K CARBON 47K	5% 5% 5%	1/4W 1/4W 1/4W		C1618 C1621	1-124-499-11 1-124-477-11 1-126-101-11	ELECT ELECT ELECT	1MF 47MF 100MF		20% 20% 20%	50V 16V 16V
R3077 1-249-441-11 R3081 1-249-441-11	CARBON 100 CARBON 100	K 5% K 5%	1/4W 1/4W		C1622 C1623	1-126-101-11 1-126-176-11	ELECT ELECT	100MF 220MF		20% 20%	16V 10V

F2 Q

The components identified by shading and mark extstyle extstyle

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTIO	N —		REMARK
< CON	NECTOR>		 	<tra< th=""><th>ANSFORMER></th><th></th><th></th><th></th></tra<>	ANSFORMER>			
CNF20 *1-566-664-11 CNF21 *1-566-664-11 CNF22 *1-564-891-11 CNF63 *1-564-509-11	PIN, CONNECTOR 4P PLUG, CONNECTOR 2P PLUG, CONNECTOR 6P		₹1601 <u>/</u>	∆ 1-449-456-11 <the< td=""><td>TRANSFORMER CRMISTOR></td><td>, POWER</td><td>চিষ্কা - পূর্বাহাট</td><td>\$1 \$200 j.</td></the<>	TRANSFORMER CRMISTOR>	, POWER	চিষ্কা - পূর্বাহাট	\$1 \$200 j.
CNF65 *1-508-765-00	PIN, CONNECTOR (5MM PITCH) 4 PIN, CONNECTOR (5MM PITCH) 3		THP601	A1-808-059-31	THERMISTOR,	POSITIVE	e ny 189	
CNF67 *1-564-506-11 CNF68 *1-508-784-00 CNF81 *1-508-786-00	PLUG, CONNECTOR 3P PIN, CONNECTOR (5MM PITCH) 1 PIN, CONNECTOR (5MM PITCH) 2	P	i	************* *A-1275-093-A		MPLETE	******	********
<010			J 0 0 0	·GIP	A GIMOD.			
D1601 8-719-946-90 D1602 8-719-511-40 D1603 8-719-911-19 D1604 8-719-911-19	DIODE SIVB40 DIODE ISS119		C1301 C1302	1-131-381-00 1-101-004-00	PACITOR> TANTALUN CERAMIC	47MF 0.01MF	10%	10V 50V
D1605 8-719-109-97 D1606 8-719-911-19	DIODE RD6.8ES-B2		C1303 C1304	1-126-101-11 1-101-004-00 1-131-381-00	ELECT CERAMIC	100MF 0.01MF 47MF	20% 10%	16V 50V 10V
<fus< td=""><td>E></td><td></td><td>1 01307</td><td>1-101-004-00 1-131-377-00 1-101-004-00</td><td>TANTALUM</td><td>0.01MF 10MF 0.01MF</td><td>10%</td><td>50V 10V 50V</td></fus<>	E>		1 01307	1-101-004-00 1-131-377-00 1-101-004-00	TANTALUM	0.01MF 10MF 0.01MF	10%	50V 10V 50V
F1601A 1-532-350-11 1-533-087-00	FUSE, TIME-LAG 4A/250V HOLDER, FUSE; F1601		C1309 C1310	1-131-377-00 1-101-004-00	TANTALUM	10MF 0.01MF	10%	10V 50V
<1C>			C1312	1-126-101-11 1-101-004-00 1-131-381-00	CERAMIC TANTALUM	100MF 0.01MF 47MF	20% 10%	16V 50V 10V
1C1601 8-759-700-06 1C1603 8-749-930-52 4-377-115-01	IC SI-3052V SPACER MICA: IC1603		C1314 C1315	1-101-004-00 1-123-875-11	CERAMIC ELECT	0.01MF 10MF	20%	50V 50V
			C1317	1-123-875-11 1-101-004-00 1-101-004-00	CERAMIC CERAMIC	10MF 0.01MF 0.01MF	20%	50V 50V 50V
	TER>	\$ 6	C1320	1-101-004-00 1-123-875-11	ELECT	0.01MF 10MF	20%	50¥ 50¥
	TRANSFORMER, LINE FILTER TRANSFORMER, LINE FILTER TRANSFORMER, FERRITE	Services	C1323 C1324	1-123-875-11 1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC	10MF 0.01MF 0.01MF 0.01MF	20%	50V 50V 50V 50V
	NSISTOR> TRANSISTOR 2SD795A-Q		ł I	1-123-875-11 1-123-875-11		10MF 10MF	20% 20%	50V 50V
Q1602 8-729-178-54 Q1603 8-729-178-54	TRANSISTOR 2SC2785		C1327 C1328 C1329 C1336	1-101-004-00 1-101-004-00 1-101-004-00 1-131-377-00	CERAMIC CERAMIC CERAMIC TANTALUM	0.01MF 0.01MF 0.01MF 10MF	10%	50V 50V 50V 10V
	ISTOR>	ve geter er refter valus er i	C1337	1-101-004-00	CERAMIC	0.01MF		50V
R1603本1-205-949-11 R1604本1-244-945-91 R1606本1-247-289-11 R1607本1-249-377-51 R1608本1-249-377-51	CARBON 1M 5% 1/ CARBON 8.2N 5% 1W CARBON 0.47 5% 1/	20	C1338 C1339 C1340 C1343	1-131-377-00 1-101-004-00 1-123-875-11 1-101-004-00	TANTALUM CERAMIC ELECT CERAMIC	10MF 0.01MF 10MF 0.01MF	10% 20%	10V 50V 50V 50V
R1609A 1-249-377-51 R1610 1-249-423-11 R1611 1-249-425-11 R1612 1-249-423-11 R1613 1-249-421-11	CARBON 0.47 5% 1/ CARBON 3.3K 5% 1/ CARBON 4.7K 5% 1/	4W F 4W 4W 4W	C1344 C1345 C1348 C1349 C1350	1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.01MF 0.01MF 0.01MF 0.01MF 0.01MF		50V 50V 50V 50V 50V
R1615 1-249-421-11 R1623 1-205-949-11	CARBON 2.2K 5% 1/	4W	C1353 C1354 C1355 C1356 C1357	1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.01MF 0.01MF 0.01MF 0.01MF 0.01MF		50V 50V 50V 50V
<rel< td=""><td></td><td>entre de la companya de la companya</td><td>C1358</td><td>1-101-004-00</td><td>CERAMIC</td><td>0.01MF</td><td></td><td>50V</td></rel<>		entre de la companya	C1358	1-101-004-00	CERAMIC	0.01MF		50 V
RY1601A1-515-579-11	RELAY - POLICY OF THE VE			1-101-004-00 1-101-004-00	CERAMIC CERAMIC	0.01MF 0.01MF		50V 50V



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTIO	DN 			REMARK
C1361 1-136-160-00 C1362 1-124-902-00 C1363 1-124-902-00	MYLAR ELECT ELECT	0.039MF 0.47MF 0.47MF	10% 20% 20%	50V 50V 50V		8-752-328-75 8-759-970-72					
C1364 1-102-074-00 C1365 1-102-947-00	CERAMIC CERAMIC	0.001MF 10PF	10% 0.5PF	50V 50V	IC1312 IC1314 IC1315	8-759-970-72 8-752-328-71 8-759-914-44	IC CXK1206N IC CXD20000 IC TL431CLF	1 PB			
C1366 1-102-973-00 C1367 1-102-973-00 C1368 1-102-973-00 C1369 1-102-973-00 C1370 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	100PF 100PF 100PF 100PF 0.01MF	5% 5% 5% 5%	50V 50V 50V 50V 50V	IC1316 IC1317 IC1321	8-759-947-14 8-752-032-93 8-759-205-06 8-759-011-65	IC 74ACO4PC	1- Z IF			
C1371 1-131-377-00 C1372 1-101-004-00 C1373 1-101-004-00	TANTALUM CERAMIC CERAMIC	10MF 0.01MF 0.01MF	10%	10V 50V 50V		<01	L>				
C1374 1-124-963-11 C1375 1-124-963-11	ELECT ELECT	33MF 33MF	20% 20%	16V 16V	L1305	1-410-470-11 1-408-397-00 1-408-397-00	INDUCTOR	10UH 1UH 1UH			
C1376 1-124-963-11 C1385 1-123-875-11 C1389 1-130-480-00	ELECT ELECT MYLAR		20% 20% 10%	16V 50V 50V	L1307 L1308	1-410-470-11 1-408-397-00	INDUCTOR INDUCTOR	10UH 1UH			
C1390 1-124-499-11	ELECT	1MF	20%	50V		1-404-608-11	Wateren.				
CUN CND43 *1-565-494-11	INECTOR>	OARD TO ROAR	D 18P		01301	<tra 8-729-178-54</tra 	NSISTOR>	2502785			
<pre><cun *1-565-494-11="" <="" cnq43="" cnq44="" pre=""></cun></pre>		OARD TO BOAR	D 18P		Q1302 Q1303 Q1305 Q1306		TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR				
D1301 8-713-300-00	DIODE 1T33				Q1307	8-729-117-54 8-729-178-54	TRANSISTOR	2SA1175			
< F L	TER>				Q1315	8-729-178-54	TRANSISTOR	2SC2785			
FL1301 1-236-164-11 FL1302 1-236-129-11	ENCAPSULATED ENCAPSULATED	COMPONENT				<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td></res<>	ISTOR>				
FL1303 1-236-164-11 FL1304 1-236-164-11 FL1305 1-236-071-11	ENCAPSULATED ENCAPSULATED ENCAPSULATED	COMPONENT COMPONENT			R1302	1-249-408-11 1-249-408-11 1-249-408-11 1-249-420-11	CARBON CARBON	180 180 180 1.8K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
FL1306 1-236-071-11 FL1307 1-236-129-11 FL1308 1-236-129-11	ENCAPSULATED ENCAPSULATED ENCAPSULATED	COMPONENT			R1305	1-249-420-11 1-249-420-11	CARBON	1.8K		1/4W 1/4W	
FL1309 1-236-164-11 FL1310 1-236-129-11	ENCAPSULATED ENCAPSULATED	COMPONENT			R1308 R1309	1-249-413-11 1-249-421-11 1-249-423-11	CARBON CARBON	470 2.2K 3.3K	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W	
FL1311 1-236-164-11 FL1312 1-236-164-11 FL1313 1-236-164-11	ENCAPSULATED ENCAPSULATED ENCAPSULATED	COMPONENT			R1311		CARBON CARBON	3.3K 3.3K		1/4W 1/4W	
FL1314 1-236-164-11 FL1315 1-236-129-11	ENCAPSULATED ENCAPSULATED				R1313 R1314	1-249-414-11 1-249-414-11 1-249-414-11	CARBON CARBON CARBON	560 560 560	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W	
FL1320 1-236-304-11 FL1321 1-236-304-11 FL1322 1-236-304-11	FILTER, LOW FILTER, LOW FILTER, LOW	PASS			1	1-249-419-11 1-249-419-11	CARBON CARBON			1/4 W 1/4 W	
FL1323 1-236-303-11 FL1324 1-236-303-11	FILTER, LOW FILTER, LOW				R1318	1-247-901-11 1-249-417-11 1-249-441-11	CARBON CARBON CARBON	1.5K 820K 1K 100K	5% 5% 5%	1/4W 1/4W 1/4W	
FL1325 1-236-303-11	FILTER, LOW	PASS			R1320	1-249-415-11	CARBON	680	5%	1/4W	
<10>					R1321 R1322 R1323	1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON	1 K 1 K 1 K	5% 5% 5%	1/4W 1/4W 1/4W	
IC1301 8-752-032-55 IC1302 8-752-032-55 IC1303 8-752-032-55	IC CXA1096M IC CXA1096M IC CXA1096M					1-249-417-11 1-249-409-11	CARBON CARBON	1K 220	5% 5%	1/4 W 1/4 W	
IC1304 8-752-328-75 IC1305 8-759-970-72	IC CXD2001Q IC CXK1206M				R1327	1-249-409-11 1-249-409-11 1-249-408-11	CARBON CARBON CARBON	220 220 180	5% 5% 5%	1/4W 1/4W 1/4W	
IC1306 8-759-970-72 IC1307 8-752-328-75 IC1308 8-759-970-72	IC CXK1206M IC CXD2001Q IC CXK1206M				R1329	1-249-397-11 1-249-417-11	CARBON CARBON	22 1K	5% 5%	1/4 W 1/4 W	
IC1309 8-759-970-72	IC CXK1206M				R1331	1-247-735-11	CARBON	47	5%	1/2 W	

KV-FX29TD RM-681





REF. NO	. PART NO.	DESCRIPTION	<u>N</u>		REMARK	REF.NO	. PART NO.	DESCRIPTIO	N .			REMARK
R1332 R1333 R1334 R1335 R1336	1-249-413-11 1-249-423-11 1-249-421-11	CARBON	22 5% 470 5% 3.3K 5% 2.2K 5% 220 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C142 C143 C144 C151 C152	1-101-361-00 1-102-973-00 1-102-965-00 1-124-477-11 1-136-161-00	CERAMIC CERAMIC ELECT	150PF 100PF 39PF 47MF 0.047M		5% 5% 5% 20% 5%	50V 50V 50V 16V 50V
R1337 R1360 R1361 R1368 R1369	1-249-429-11 1-249-429-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	220 5% 10K 5% 10K 5% 1K 5% 560 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C153 C154 C155	1-101-004-00 1-101-004-00 1-124-477-11	CERAMIC ELECT	0.01MF 0.01MF 47MF		20%	50V 50V 16V
R1370 R1371 R1372 R1373 R1374	1-247-887-00 1-249-441-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	220 5% 220K 5% 100K 5% 1K 5% 1K 5%	1/4W 1/4W 1/4W 1/4W		CD101 CF101	1-404-684-11 1-567-569-11	FILTER, CER	OR, CERA AMIC	MIC		
R1375 R1376 R1377	1-247-887-00		220K 5% 220K 5% 220K 5%	1/4W 1/4W 1/4W		CNA11 CNA18	*1-566-659-11 *1-565-503-11	CONNECTOR, CONNECTOR, CONNECTOR,	HINGE (S BOARD TO	OCKET) Boari) 18P) 12P	
****	***********	**********	*********	******	*******		<010	IDE>				
	*A-1296-497-A	A BOARD, COM				D101	8-719-000-12					
	1-464-964-11 *1-565-488-11 *4-369-734-01	IF BLOCK (IF CONNECTOR, E	G-5.5S)	RD 12P		D108 D109	8-719-911-19 8-719-911-19	DIODE 1SS11 DIODE 1SS11	9			
							<10>	•				
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>8-759-240-52 8-759-946-32</td><td></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>					8-759-240-52 8-759-946-32					
C101 C102 C103 C104 C105	1-126-233-11 1-126-103-11 1-130-475-00 1-124-477-11 1-101-003-00	ELECT ELECT MYLAR ELECT CERAMIC	22MF 470MF 0.0022MF 47MF 0.0047MF	20% 20% 5% 20%	50V 16V 50V 16V 50V	IC103	8-759-978-65 8-759-003-90 <c01< td=""><td>IC SAB3036 IC TBA129</td><td></td><td></td><td></td><td></td></c01<>	IC SAB3036 IC TBA129				
C106		ELECT	22MF	20%	50V	1100			Ecou			
C107 C108 C109 C110	1-126-233-11 1-136-177-00 1-101-004-00 1-101-003-00 1-101-003-00	FILM CERAMIC CERAMIC CERAMIC	22/1F 1MF 0.01MF 0.0047MF 0.0047MF	20% 5%	50V 50V 50V 50V	L100 L101 L102 L103 L104	1-410-116-11 1-408-225-00 1-410-470-11 1-408-408-00 1-410-476-11	INDUCTOR Inductor	560UI 3.3UI 10UH 8.2UI 33UH	1		
C111 C112 C113 C115 C116	1-124-477-11 1-101-003-00 1-101-004-00 1-123-875-11 1-123-875-11	ELECT CERAMIC CERAMIC ELECT ELECT	47MF 0.0047MF 0.01MF 10MF 10MF	20% 20% 20%	16V 50V 50V 50V 50V	L106 L108	1-410-471-11 1-410-471-11 <tra< td=""><td>INDUCTOR INDUCTOR</td><td>12UH 12UH</td><td></td><td></td><td></td></tra<>	INDUCTOR INDUCTOR	12UH 12UH			
C117	1-123-875-11	ELECT	10MF	20%	50V	Q106	8-729-900-65		OTALAJEC			
C118 C119 C120 C121	1-123-875-11 1-136-161-00 1-102-965-00 1-124-477-11	ELECT FILM CERAMIC ELECT	10MF 0.047MF 39PF 47MF	20% 5% 5% 20%	50V 50V 50V 16V	Q107 Q109 Q110 Q111	8-729-900-89 8-729-901-59 8-729-178-54 8-729-178-54	TRANSISTOR I	DTC144ES BF199 2SC2785			
C122 C123 C124 C127 C128	1-124-477-11 1-101-004-00 1-124-477-11 1-124-477-11 1-124-477-11	ELECT CERAMIC ELECT ELECT ELECT	47MF 0.01MF 47MF 47MF 47MF	20% 20% 20% 20%	16V 50V 16V 16V 16V	Q112 Q113 Q114 Q115 Q116	8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC2785 2SC2785 2SC2785			
C129	1-124-477-11	ELECT	47MF_	20%	16V	Q118	8-729-117-54	TRANSISTOR 2	2SA1175			
C130 C132 C133 C134	1-126-101-11 1-101-888-00 1-102-973-00 1-102-963-00	ELECT CERAMIC CERAMIC CERAMIC	100MF 68PF 100PF 33PF	20% 5% 5% 5%	16V 50V 50V 50V		<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td></res<>	ISTOR>				
C135 C136 C137 C138 C141	1-124-477-11 1-124-477-11 1-124-477-11 1-136-165-00 1-102-822-00	ELECT ELECT ELECT FILM CERAMIC	47MF 47MF 47MF 0.1MF 390PF	20% 20% 20% 5% 5%	16V 16V 16V 50V 50V	R102 R103 R104 R105 R106	1-249-429-11 1-249-429-11 1-249-437-11 1-249-425-11 1-249-425-11	CARBON CARBON CARBON CARBON CARBON	10K 10K 47K 4.7K 4.7K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
- • • •	4 102 022 00	Junisti V	J70(1	JA	JV 1	R107	1-249-432-11	CARBON	18K	5%	1/4W	

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.



REF.NO. PART NO.	DESCRIPTION	l -			REMARK	REF.NO.	PART NO.	DESCRIPTIO	DN 		REMARK
R109 1-249-441-11 R110 1-249-429-11 R111 1-249-423-11 R112 1-249-425-11 R113 1-249-425-11	CARBON CARBON	100K 10K 3.3K 4.7K 4.7K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			*4-379-160-01 *4-379-167-01	COVER (REAF	t LID), CV i), CV		
R114 1-249-413-11 R115 1-249-405-11		470 100	5% 5%	1/4W 1/4W		1 1 1	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
R118	CARBON CARBON CARBON	10K 10K 8.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W		C704	1-102-976-00 1-123-875-11	CERAMIC CERAMIC ELECT	220PF 180PF 180PF 10MF	5% 5% 5% 20%	50V 50V 50V 50V
R123 1-249-431-11 R124 1-249-431-11 R125 1-249-431-11	CARBON	15K 15K 15K	5% 5% 5%	1/4W 1/4W 1/4W		C705	1-101-003-00	CERAMIC	0.0047MF 0.01MF	10%	50 V 630 V
R126 1-249-431-11 R127 1-249-431-11	CARBON	15K 15K	5% 5%	1/4W 1/4W		C711 C712	1-130-338-11 1-162-622-11	`FILM CERAMIC	0.01MF 330PF	10%	630V 400V
R128 1-249-413-11 R129 1-249-421-11	CARBON CARBON	470 2.2K		1/4W 1/4W		C713 C714	1-162-116-00 1-123-946-00	CERAMIC ELECT	680PF 4.7MF	107 207	2KV 250V
R130 1-249-421-11 R131 1-249-422-11	CARBON CARBON	2.2K 2.7K	5% 5% 5% 5%	1/4W 1/4W		C715 C716	1-102-822-00 1-102-980-00	CERAMIC	390PF 270PF	5% 5% 5%	50V 50V
R133 1-249-422-11 R134 1-249-422-11		2.7K		1/4W 1/4W		C717 C718 C719	1-102-822-00 1-102-976-00 1-162-129-00	CERAMIC	390PF 180PF 150PF	5% 5% 10%	50V 50V 2KV
R136 1-249-413-11 R137 1-249-405-11	CARBON CARBON	470 100	5% 5% 5% 5%	1/4W 1/4W		(113	.1-102-129-00	CERAMIC	13077	10%	411
R138 1-249-413-11 R139 1-249-413-11	CARBON CARBON	470 470	5% 5%	1/4W 1/4W		cucaa		NECTOR>	CTOD (B		
R140 1-249-418-11 R141 1-249-413-11		1.2K 470	5% 5%	1/4W 1/4W		CNC71	*1-564-509-11 *1-508-786-00 *1-508-768-00	PIN, CONNEC	TOR (5MM PIT	CH) 2P	
R142 1-249-413-11 R143 1-249-416-11	CARBON CARBON	470 820	5% 5% 5% 5%	1/4W 1/4W					, , , , , , , , , , , , , , , , , , , ,	, 0.	
R144 1-249-417-11 R145 1-249-413-11		1K 470	- 10	1/4W 1/4W		D701	<dio 8-719-911-19</dio 		q		
R146 1-249-421-11 R147 1-249-429-11	CARBON CARBON	2.2K 10K	5% 5% 5% 5%	1/4W 1/4W		D702 D703	8-719-911-19 8-719-911-19	DIODE 18811	9		
R152 1-249-417-11 R153 1-249-417-11	CARBON CARBON	1 K 1 K	5%	1/4W 1/4W			<jac< td=""><td>K></td><td></td><td></td><td></td></jac<>	K>			
R154 1-249-414-11 R155 1-249-417-11 R157 1-249-417-11 R158 1-249-409-11	CARBON CARBON CARBON	560 1 K 1 K 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		J701	1-526-798-51	SOCKET, PIC	TURE TUBE		
R159 1-249-409-11 R160 1-249-396-11		220 18		1/4W		L707	<01 1-410-478-11		47UH		
R166 1-249-431-11		15K	5% 5%	1/4W		210,			41011		
<1 F	BLOCK>					Q7 01	<tra 8-729-178-54</tra 	NSISTOR>	2502705		
SIF101 1-464-963-11 VIF101 1-464-962-11	IF BLOCK (IF IF BLOCK (IF	(G-334F) (G-389FS))			0702 0703 0704 0705	8-729-178-54 8-729-178-54 8-729-326-11 8-729-326-11	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785 2SC2785 2SC2611		
	ANSFORMER>					Q706	8-729-326-11				
T101 1-404-806-11 T102 1-404-493-00							<res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<>	ISTOR>			
<tu!< td=""><td>NER></td><td></td><td></td><td></td><td></td><td>R701</td><td>1-249-406-11</td><td>CARBON</td><td>120 5%</td><td>1/4W</td><td></td></tu!<>	NER>					R701	1-249-406-11	CARBON	120 5%	1/4W	
TU101A 1-465-059-11	TUNER, ET (U	V=616 5)				R702 R703 R704	1-249-409-11 1-249-409-11 1-249-406-11	CARBON CARBON CARBON	120 5% 220 5% 220 5% 120 5%	1/4W 1/4W 1/4W	
<cr!< td=""><td>YSTAL></td><td></td><td></td><td></td><td></td><td>R705 R706</td><td>1-249-406-11</td><td>CARBON CARBON</td><td>120 5% 120 5%</td><td>1/4W 1/4W</td><td></td></cr!<>	YSTAL>					R705 R706	1-249-406-11	CARBON CARBON	120 5% 120 5%	1/4W 1/4W	
X101 91-527-726-00						R707 R708	1-249-418-11 1-249-409-11	CARBON CARBON	1.2K 5% 220 5%	1/4W 1/4W	
**************************************	C BOARD, COM		*****	*******	******	R709 R710	1-249-409-11 1-249-409-11	CARBON CARBON	220 5% 220 5%	1/4W 1/4W	
* 10¢ 0¢¢1 n	*********				1						

KV-FX29TD RM-681



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
R711 R712 R713 R714 R715	1-249-409-11 1-249-409-11 1-249-418-11 1-249-418-11 1-249-418-11	CARBON CARBON CARBON CARBON CARBON	220 220 1.2K 1.2K 1.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		L752	1-410-468-11 1-410-482-31	INDUCTOR	10001			
R718 R719 R721	1-249-418-11 1-249-418-11 1-249-426-11 1-249-426-11 1-215-923-00		1.2K 1.2K 5.6K 5.6K 10K		-		Q751 Q752 Q753 Q754 Q755	<pre><tra 8-729-177-24="" 8-729-178-54="" 8-729-188-24="" 8-729-188-24<="" 8-729-378-84="" pre=""></tra></pre>					
R722 R723 R724 R725 R726	1-215-923-00 1-215-923-00 1-215-923-00 1-215-923-00 1-215-923-00	METAL OXIDE	10K 10K 10K 10K 10K	5% 5% 5% 5% 5%	3W 3W 3W 3W 3W	F F F	Q756 Q757	8-729-201-78 8-729-178-54	TRANSISTUR 2	SD1406-0 SC2785	GR		
K/34	1-216-348-00	METAL OXIDE	1K 1K 1K 100K 0.82	10% 10% 10% 10% 5%	1/2W 1/2W 1/2W 1/2W 1/2W	F	R751 R752 R753 R754 R755	RES 1-249-409-11 1-249-409-11 1-249-415-11 1-249-411-11 1-216-431-11	CARBON CARBON CARBON CARBON CARBUN METAL OXIDE	220 220 680 330 560	5522	1/4W 1/4W 1/4W 1/4W	F
R736 R737 R738 R739 R740	1-202-842-11 1-202-842-11 1-249-405-11 1-202-838-00 1-202-848-00	SOLID SOLID CARBON SOLID SOLID	220K 220K 100 100K 680K	10% 10% 5% 10% 10%	1/2W 1/2W 1/4W 1/2W 1/2W		R756 R757 R758	1-249-414-11 1-249-426-11 1-249-435-11	CARBON CARBON CARBON	560 5.6K 33K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 2W	F
RV701	-202-842-11 <var 1-228-989-00</var 	IABLE RESISTOR RES, ADJ, CAR	220K > Bon 47(10%	1/2W		R764 R765 R766 R767 R768	1-249-393-11 1-216-449-11 1-249-381-11 1-249-426-11 1-249-426-11 1-249-426-11 1-249-426-11 1-249-391-11 1-249-396-11 1-249-381-11 **********************************	CARBON CARBON CARBON CARBON CARBON	220 1 5.6K 1K 5.6K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
RV702 RV703 RV704 RV705	1-228-989-00 1-228-993-00 1-228-721-00 1-228-721-00	RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CER RES, ADJ, CER	BON 470 BON 4.7 AMIC CA AMIC CA) KK Arbon 2 Arbon 2	2.2K 2.2K		R769 R771 R772 R773	1-249-409-11 1-249-423-11 1-249-391-11 1-249-396-11	CARBON CARBON CARBON CARBON	220 3.3K 6.8 18	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F F
RV706 RV707 RV708	1-230-619-11 1-230-641-21	RES, ADJ, CER RES, ADJ, MET RES, ADJ, MET	AMIC CA AL GLAZ AL GLAZ	ZE 110! ZE 2.2!	2. 2N 4 4 *****	.*****	*****	**************************************	**************************************	1 ******** PLETE)6 ****		
	*A-1342-071-A <cap< td=""><td>VM BOARD, COM ************************************</td><td>PLETE</td><td></td><td></td><td></td><td></td><td>1-424-168-11 1-459-919-11 *4-341-736-01 *4-341-751-01 *4-341-752-01</td><td>TRANSFORMER. TRANSFORMER BRACKET, FOC EYELET</td><td>PIN MOE</td><td></td><td>ION</td><td></td></cap<>	VM BOARD, COM ************************************	PLETE					1-424-168-11 1-459-919-11 *4-341-736-01 *4-341-751-01 *4-341-752-01	TRANSFORMER. TRANSFORMER BRACKET, FOC EYELET	PIN MOE		ION	
C754	1-102-973-00 1-130-021-00 1-126-101-11 1-136-153-00	MYLAR Elect	100PF 0.0018P 100MF 0.01MF	(F	5% 10% 20% 10%	50V 50V 16V 50V			ACITOR>				
C758 C760 C761 C763	1-136-153-00 1-124-925-11 1-106-220-00 1-124-122-11	MYLAR ELECT MYLAR ELECT	0.01MF 2.2MF 0.1MF 100MF		10% 20% 10% 20%	50V 50V 100V 50V	C501 C503 C504 C505 C506	1-124-122-11 1-102-123-00 1-124-120-11 1-124-902-00 1-102-112-00	ELECT CERAMIC ELECT ELECT CERAMIC	100MF 0.0033N 220MF 0.47MF 330PF	1F	20% 10% 20% 20% 10%	50V 50V 25V 50V 50V
C764 C765 C766 C767	1-126-176-11 1-101-006-00 1-124-122-11 1-102-125-00	CERAMIC ELECT	220MF 0.047MI 100MF 0.0047I	r 2	20% 20% 10%	6.3V 50V 50V 50V	C507 C508 C509 C510 C512	1~136-169-00 1-130-491-00 1-126-101-11 1-106-367-00 1-130-475-00	FILM MYLAR ELECT MYLAR MYLAR	0.22MF 0.047MF 100MF 0.01MF 0.0022M		5% 5% 20% 10%	50V 50V 16V 100V 50V
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td><td>C513 C515</td><td>1-124-499-11 1-102-116-00</td><td>ELECT CERANIC</td><td>1MF 680PF</td><td></td><td>20% 10%</td><td>50V 50V</td></con<>	NECTOR>					C513 C515	1-124-499-11 1-102-116-00	ELECT CERANIC	1MF 680PF		20% 10%	50V 50V
		PLUG, CONNECT PLUG, CONNECT					C516 C517 C518	1-124-499-11 1-124-902-00 1-136-175-00	ELECT ELECT FILM	1MF 0.47MF 0.68MF		20% 20% 5%	50V 50V 50V
	<c01< td=""><td>L></td><td></td><td></td><td></td><td></td><td>C519</td><td>1-124-637-11</td><td>ELECT</td><td>1000MF</td><td></td><td>20%</td><td>50V</td></c01<>	L>					C519	1-124-637-11	ELECT	1000MF		20%	50 V

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.



REF. NO. PART NO.	DESCRIPTION			REMARK	REF.NO	. PART NO.	DESCRIPTION	1		REMARK
C520 1-124-912-11 C521 1-106-391-12 C522 1-108-428-12 C523 1-106-387-00 C524 1-124-342-00	ELECT MYLAR MYLAR MYLAR ELECT	330MF 0.1MF 0.039MF 0.068MF 3.3MF	20% 10% 10% 10% 20%	50V 200V 200V 200V 160V	C836 C837 C838 C839 C840	1-102-030-00 1-124-480-11 1-106-367-00 1-124-929-11 1-162-114-00		330PF 470MF 0.01MF 22MF		500V 25V 200V 100V 2KV
C525 1-102-820-00 C526 1-123-875-11 C527 1-102-978-00 C528 1-124-477-11 C530 1-124-122-11	ELECT CERAMIC ELECT ELECT		5% 20% 5% 20% 20%	50V 50V 50V 16V 50V	C841 C842 C843 C844 C845	1-106-383-00 1-136-153-00 1-130-479-00 1-124-910-11 1-126-233-11	MILAK	0.047MF 0.01MF 0.0047MF 47MF 22MF	10% 10% 10% 20% 20%	200V 50V 50V 50V 50V
C531 1-106-387-00 C539 1-102-233-00 C540 1-130-479-00 C541 1-124-902-00 C542 1-106-220-00	MYLAR CERAMIC MYLAR MYLAR MYLAR	0.068MF 33PF 0.0047MF 0.47MF 0.1MF	10% 10% 10% 20% 10%	200V 500V 50V 50V 100V	C847 C848 C861 C862	1-162-318-11 1-102-244-00	CERAMIC	0.001MF 220PF	10% 10% 20%	500V 500V 50V 50V
C543 1-106-375-12 C544 1-102-244-00 C545 1-124-925-11 C546 1-123-875-11 C547 1-130-728-00	MYLAR CERAMIC ELECT ELECT FILM	0.022MF 220PF 2.2MF 10MF 0.0022MF	10% 10% 20% 20% 5%	100V 500V 50V 50V 50V	C863 C864 C865 C866	1-124-499-11 1-136-154-00 1-106-351-00 1-106-343-00 1-124-910-11 1-106-379-12			10% 10% 20%	100V 100V 50V
C548 1-102-820-00 C549 1-124-122-11 C550 1-124-925-11 C551 1-124-122-11	CERAMIC ELECT ELECT	330PF 100MF 2.2MF 100MF	5% 20% 20%	50V 50V 50V 50V	C867 C868 C869	1-106-379-12 1-124-902-00 1-106-383-00 1-106-375-12	MYLAR MYLAR MYLAR	0.47MF 0.047MF 0.022MF	20% 10% 10%	50V 100V 200V
C552 1-124-464-11 C553 1-126-101-11 C554 1-124-927-11	ELECT	0.22MF	20% 20% 20% 20%	50V 16V 50V	CN801	*1-508-767-00 *1-564-513-11 *1-508-767-00 *1-508-768-00	PIN. CONNECT	OR (5MM PIT TOR 10P OR (5MM PIT	CH) 5P	
C555 1-136-155-00 C556 1-124-499-11 C557 1-126-101-11 C558 1-124-499-11	ELECT	100MF 4.7MF 0.015MF 1MF 100MF 1MF 0.0033MF	107 207 207 207	50V 50V 16V	CND84	*1-508-768-00 *1-565-952-11 *1-564-507-11 *1-508-786-00 *1-508-784-00	PIN, CUNNECT PLUG. CONNEC	OR 10P TOR 4P		
C560 1-130-477-00 C561 1-102-112-00 C801 1-123-875-11 C802 1-124-902-00	CERAMIC ELECT ELECT	0.0033MF 330PF 10MF 0.47MF	10% 20% 20%	50V 50V 50V 50V	CND88	*1-508-784-00 *1-508-784-00 *1-564-508-11	PIN, CONNECT	OR (5MM PIT	CH) 1P CH) 1P	
C803 1-124-925-11 C804 1-124-910-11 C805 1-106-343-00 C806 1-124-122-11 C807 1-136-165-00	ELECT MYLAR ELECT MYLAR	2.2MF 47MF 0.001MF 100MF 0.1MF	20% 20% 10% 20% 10%	50V 50V 200V 50V 50V	D502 D503 D505 D506	<pre><dio 8-719-109-75="" 8-719-911-19="" 8-719-936-83="" 8-719-936-83<="" pre=""></dio></pre>	DIODE RD4.3E DIODE 1SS119 DIODE GPO8DP	KG23		
C808 1-124-499-11 C809 1-130-471-00 C810 1-126-101-11 C814 1-162-134-11 C815 1-124-927-11	CERAMIC	1MF 0.001MF 100MF 470PF 4.7MF	20% 10% 20% 10% 20%	50V 50V 16V 2KV 50V	D507 D508 D509 D510 D511	8-719-936-83 8-719-936-83 8-719-936-83 8-719-936-83 8-719-911-19	DIODE GPOSDP	KG23 KG23 KG23 KG23		
C816 1-124-494-00 C817 1-125-319-00 C818 1-102-244-00 C819 1-102-212-00 C820 1-106-383-00	ELECT (BLOCK) CERAMIC CERAMIC	33MF 330MF 220PF 820PF 0.047MF	20% 10% 10% 10%	160V 160V 500V 500V 200V	D513 D514 D515 D516	8-719-911-19 8-719-911-19 8-719-936-83 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE GPO8DP DIODE 1SS119	KG23		
C822 A 1-162-116-51 C823 A 1-162-116-51 C824 1-108-410-12 C825 1-102-030-00 C826 1-129-723-00	CERAMIC MYLAR CERAMIC	680PF 680PF 0.0012MF 330PF 0.056MF	102 102 102 57	2KV 2KV 200V 500V 630V	D801 D802 D803 D805 D806	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C827 1-130-660-11 C828 1-136-126-00 C829 1-106-351-00 C830 1-136-598-11 C831 1-130-797-11	FILM FILM MYLAR FILM FILM	20000MF 0.82MF 0.0022MF 3MF 0.68MF	3% 5% 5% 10%	1.6KV 400V 200V 200V 250V	D807 D808	8-719-924-06 8-719-971-09 4-377-115-01 *4-391-704-01 8-719-971-08	DIODE ERC24- DIODE ERDO8- SPACER, MICA HOLDER (A), DIODE ESAC39	15 ; D808 TR; D808 M-06C		
C832 1-106-395-00 C833 1-162-131-11 C834 1-124-637-11 C835 1-102-030-00	CERAMIC ELECT	0.15MF 220PF 1000MF 330PF	10% 10% 20% 10%	200V 2KV 50V 500V	D810 D811 D812 D813 D814	8-719-936-83 8-719-936-83 8-719-924-06 8-719-901-58 8-719-300-65		KG23 065		



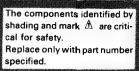
The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

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	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	4			REMA	RK
	D815 D816 D860 D861 D862	8-719-924-06 8-719-300-65 8-719-936-83 8-719-936-83 8-719-931-05	DIODE ERC24-06S DIODE ES1F DIODE GPO8DPKG23 DIODE GPO8DPKG23 DIODE EQBO1-05 IC UPC1377C IC UPC78L12 IC TEA2031A IC UPC4558C IC RC78L24A		Q5004 Q5005	8-729-900-89 8-729-900-89	TRANSISTOR I	OTC144ES				
					R503	1-215-461-00	METAL	47K	1%	1/6W		
	I C501 I C503	<1C> 8-759-100-60 8-759-178-12	1C UPC1377C 1C UPC78L12		R504 R505 R506 R507	1-215-461-00 1-249-417-11 1-249-437-11 1-249-421-11 1-217-387-00	CARBUN	1K 47K 2.2K 10	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F	
	1C802 1C803	8-759-942-16 8-759-145-58 8-759-982-30	IC UPC4558C IC RC78L24A		R508 R509 R510 R511	1-215-484-00 1-249-428-11 1-215-451-00 1-249-421-11 1-249-429-11	METAL CARBON METAL CARBON	430K 8.2K 18K 2.2K	1% 5% 1% 5%	1/6W 1/4W 1/6W 1/4W		
	1.004		gott (NEW GODE)		R512					1/4W		
	L801 L803 L804 L805 L806	1-459-474-00 1-408-228-21 1-459-104-00 1-459-194-00 1-410-396-41	COIL (WITH CORE) INDUCTOR 560UH COIL, DUST CORE INDUCTOR 1.8MMH FERRITE BEAD INDUCTOR		R515 R516 R518 R519	1-215-469-00 1-215-447-00 1-215-451-00 1-249-425-11 1-202-723-00	METAL METAL CARBON SOLID	100K 12K 18K 4.7K 2.2M	17 17 17 57 107	1/6W 1/6W 1/6W 1/4W 1/2W		
	L807 L808 L809 L810 L860	1-459-485-00 1-410-674-31 1-459-104-00 1-410-396-41 1-408-247-00	COIL (WITH CORE) INDUCTOR 560UH COIL, DUST CORE INDUCTOR 1.8MMH FERRITE BEAD INDUCTOR COIL, CHOKE INDUCTOR 82UH COIL, DUST CORE FERRITE BEAD INDUCTOR INDUCTOR 33MMH		R520 R521 R522 R523 R524	1-249-429-11 1-249-423-11 1-249-413-11 1-249-418-11 1-249-417-11	CARBON CARBON CARBON	10K 3.3K 470 1.2K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
	L861 L862	1-443-012-00 1-459-105-21	TRANSFORMER, DYNAMIC CONVERSION COIL (WITH CORE) N LAMP> LAMP, NEON		R525 R526 R527 R528	1-249-417-11 1-215-878-00 1-249-405-11 1-249-749-00 1-249-424-11	CARBON METAL OXIDE CARBON CARBON	1K 33K 100 2.2M	5% 5% 5% 5%	1/4W 1W 1/4W 1/4W	F	
		<neo< td=""><td>N LAMP></td><td></td><td>R529</td><td></td><td></td><td></td><td></td><td>1/4W</td><td></td><td></td></neo<>	N LAMP>		R529					1/4W		
	NL801	1-519-108-XX	LAMP, NEON LINK>		R530 R531 R532 R533	1-249-429-11 1-249-423-11 1-202-731-00 1-215-453-00	CARBON CARBON SOLID METAL	10K 3.3K 10M 22K	5% 5% 10%	1/4W 1/4W 1/2W 1/6W		
			LINKAICUAATAAATAATAA			1-215-459-00	METAL	22K 39K	1% 1%	1/6₩		-
					R535	1-216-457-00 1-215-444-00			5% 1%	2₩ 1/6₩	F	
		<trai< td=""><td>NSISTOR></td><td></td><td>R537 R538</td><td>1-249-415-11 1-249-413-11</td><td>CARBON</td><td>680 470</td><td>5% 5% 5%</td><td>1/4W 1/4W</td><td></td><td></td></trai<>	NSISTOR>		R537 R538	1-249-415-11 1-249-413-11	CARBON	680 470	5% 5% 5%	1/4W 1/4W		
	Q502 Q504 Q505 Q506	8-729-117-54 8-729-178-54 8-729-178-54 8-729-117-54	TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SA1175 TRANSISTOR 2SD774		R539 R540 R541	1-249-416-11 1-216-351-00 1-215-916-00 1-215-863-11	CARBON	820		1/4W 1W 3W	F F	
	Q508	8-729-103-43	TRANSISTOR 2SD774 TRANSISTOR 2SB734-3 TRANSISTOR 2SC4381		R542 R543 R544	1-215-863-11 1-215-890-11 1-215-859-00	METAL OXIDE METAL OXIDE METAL OXIDE	100 470 22	5% 5% 5%	1W 2W 1W	F F	
	Q510 Q511	8-729-320-28 8-729-195-82	TRANSISTOR 2SC4951 TRANSISTOR 2SC41667 TRANSISTOR 2SC2958-K TRANSISTOR 2SA1175		R545 R546 R547	1-249-415-11 1-249-385-11	CARBON CARBON CARBON	680 680 2.2 1.2	5% 5% 5%	1/4W 1/4W 1/4W	_	
	Q514	8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2458-BL		R548 R549 R550	1-212-936-00 1-212-936-00	FUSIBLE FUSIBLE METAL OXIDE	1.2	5%	1/2W 1/2W 3W	F	
	Q802 Q803	8-729-600-27	TRANSISTOR 25C2458-BL TRANSISTOR 25D788		R552 R553 R554	1-216-478-11 1-212-889-00 1-212-936-00 1-215-869-11	FUSIBLE FUSIBLE METAL OXIDE	390 220 1.2 1K	5% 5% 5% 5%	1/4W 1/2W 1W	r F F	
	Q805	8-729-119-80 8-729-820-96	TRANSISTOR 2SC3298B-Y TRANSISTOR 2SC2688-LK TRANSISTOR 2SC3996 SPACED (A) MICA: 0006		R555 R556 R557	1-216-454-11 1-216-454-11	METAL OXIDE	390 390		2W 2W	F	
	Q860	8-729-195-82	SPACER (A), MICA; Q806 HOLDER (B), TR; Q806 TRANSISTOR 2SC2958-K		R558 R559 R560	1-247-901-11 1-249-429-11 1-249-429-11 1-247-903-00	CARBON CARBON CARBON CARBON	820K 10K 10K 1M	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		
	0861 0862 05001	8-729-122-03 8-729-117-54 8-729-900-89	TRANSISTOR ZSA1220A-P TRANSISTOR ZSA1175 TRANSISTOR DTC144ES TRANSISTOR DTC144ES		R569 R570 R571	1-249-440-11 1-249-417-11 1-249-437-11	CARBON CARBON CARBON	82K 1K 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W		
					R572	1-249-421-11	CARBON	2.2K	5%	1/40		



REF. NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R575 1-249-417-11 CA R576 1-249-440-11 CA	ARBON 1K Arbon 1K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R846 R847 R848	1-215-898-11 1-247-727-11 1-215-868-00 1-216-449-11 1-216-450-00	CARBON METAL OXIDE METAL OXIDE	10K 5% 10 5% 680 5% 56 5% 82 5%	2W 1/2W 1W 2W 2W	F F F
	ETAL 15K	5% 1/4W 5% 1/4W 5% 1/4W 1% 1/6W 1% 1/4W		R850 R851 R852 R853	1-216-450-00 1-216-357-00 1-215-904-11 1-249-397-11 1-249-441-11		82 5% 4.7 5% 100K 5% 22 5% 100K 5%	2W 1W 2W 1/4W 1/4W	F F
R583 1-215-421-00 ME R584 1-249-405-11 CA R585 1-249-419-11 CA R586 1-249-428-11 CA R587 1-249-429-11 CA	ARBON 100 Arbon 1.5k Arbon 8.2k Arbon 10k			R855 R856 R857 R858	1-214-925-00 1-247-725-11 1-249-419-11 1-247-891-00	CARBON	330K 5% 10K 5% 1.5K 5% 330K 5% 220K 5%	1/2W 1/4W 1/4W 1/4W 1/4W	
R588 1-249-427-11 CA R589 1-249-429-11 CA R590 1-249-417-11 CA R591 1-249-417-11 CA R592 1-249-440-11 CA	ARBON 10K Arbon 1k Arbon 1k Arbon 82k			R864 *	1-249-436-11 1-247-889-00 1-212-952-00 1-215-881-11 1-249-411-11	CARBON CARBON FUSIBLE	39K 5% 270K 5% 5.6 5% 15 5% 330 5%	1/4W 1/4W 1/2W 2W 1/4W	F F
R593 1-249-429-11 CA R594 1-249-429-11 CA R595 1-249-427-11 CA R596 1-249-423-11 CA R597 1-249-423-11 CA	ARBON 10K Arbon 6.8K Arbon 3.3K Arbon 3.3K			R869 R870 R5001	1-249-423-11 1-249-411-11 1-215-906-11 1-249-429-11 1-249-421-11	CARBON CARBON METAL OXIDE CARBON CARBON	3.3K 5% 330 5% 15 5% 10K 5% 2.2K 5%	1/4W 1/4W 3W 1/4W 1/4W	F
R802 1-249-429-11 CA R803 1-249-428-11 CA	ARBON 22K Arbon 1K Arbon 10K Arbon 8.2K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		DECALO	1-249-429-11 1-215-894-11 <var< td=""><td>CARBON</td><td>10K 5%</td><td>1/4W 2W</td><td>F</td></var<>	CARBON	10K 5%	1/4W 2W	F
R808 1-249-433-11 CA	ARBON 100K Arbon 1K Arbon 33K Arbon 22K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		RV501 RV502 RV503 RV504 RV505	1-230-504-11 1-228-994-00 1-228-995-00 1-226-702-00 1-228-994-00	RES, ADJ, CARRES, ADJ, CARRES, ADJ, CARRES, ADJ, METARES,	BON 220 BON 10K BON 22K AL GLAZE 2. AL GLAZE 10	2K 0K	
R810 1-249-425-11 CA R811 1-249-421-11 CA R812 1-249-432-11 CA	ARBON 150K			RV506 RV507 RV801 RV802	1-228-991-00 1-228-991-00 1-228-991-00 1-228-999-00	RES, ADJ, CARE RES, ADJ, CARE RES, ADJ, CARE RES, ADJ, CARE RES, ADJ, CARE	BON 2.2K BON 2.2K BON 2.2K BON 470K		
R815 1-249-440-11 CA R816 1-249-433-11 CA R817 1-249-417-11 CA R819 1-249-439-11 CA R820 1-249-439-11 CA	ARBON 22K Arbon 1K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		RV804	1-228-994-00 1-228-995-00	RES, ADJ, CARE RES, ADJ, CARE	RON 10K		
R824 1-249-417-11 CA R825 1-215-900-11 ME	TAL OXIDE 1K	5% 1/4W	F F	SG801	1-519-063-XX	DISCHARGING GA	l.P		
R828 1-249-441-11 CA R829 1-249-426-11 CA R830 1-249-429-11 CA	ARBON 5.6K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		T804 ******	***********	TRANSFORMER, F	******	,	******
R835 1-249-470-11 CA R836 1-216-345-11 ME R837 1-215-905-11 ME	ARBON 0.47 CTAL OXIDE 0.47	5% 1W 5% 3W	F F F	*	4-380-698-01 4-380-699-01	V BOARD, COMPL ****************** CASE (MAIN), S CASE (UPPER LI CASE (BOTTOM L	*** HIELD, A1 D), SHIELD	, A1 D, A2	
R841 1-215-920-11 ME R842 1-215-920-11 ME	TAL OXIDE 3.3K TAL OXIDE 3.3K	5% 3W	F F		<capa< td=""><td>CITOR></td><td></td><td></td><td></td></capa<>	CITOR>			





REF	.NO. PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTIO	N 		REMARK
CO CO CO CO	2 1-124-120-11 3 1-124-119-00 5 1-126-101-11 6 1-124-120-11 7 1-124-499-11	ELECT 220MF ELECT 330MF ELECT 100MF ELECT 220MF ELECT 1MF	20% 20% 20% 20% 20%	16V 16V 16V 16V 50V		<01 1-408-411-00 1-408-407-00 1-408-407-00	INDUCTOR INDUCTOR	15UH 6.8UH 6.8UH 6.8UH		
CO: CO: C1: C1:	0 1-163-133-00 1 1-163-037-11	CERAMIC CHIP 15PF CERAMIC CHIP 0.001M CERAMIC CHIP 470PF CERAMIC CHIP 0.022M CERAMIC CHIP 270PF	5%	50V 50V 50V 25V 50V	LO6	1-408-407-00 <1C .1-532-679-91 .1-532-727-91	Link>			
C1 C1 C1 C1 C1	3 1-163-117-00 4 1-163-097-00 5 1-163-103-00 6 1-163-021-00 7 1-163-809-11	CERAMIC CHIP 100PF CERAMIC CHIP 15PF CERAMIC CHIP 27PF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.047M	5% 5% 5% 10% F 10%	50V 50V 50V 50V 25V	Q01	<tra 8-729-904-27</tra 	NSISTOR>	2SD1761-E		が最初的と思う。 - 1000 - 100
C1: C2: C2: C2: C2:	9 1-163-809-11 0 1-163-125-00 1 1-163-833-00	CERAMIC CHIP 18PF CERAMIC CHIP 0.047M CERAMIC CHIP 220PF CERAMIC CHIP 0.068M ELECT 100MF	F 10% 5%	50V 25V 50V 25V 16V	Q02 Q03 Q04 Q05 Q06	8-729-202-06 8-729-900-59 8-729-271-22 8-729-202-06 8-729-271-22	TRANSISTOR TRANSISTOR TRANSISTOR	DTC114EK 2SC2712G 2SC2873Y		
C2: C2: C2: C2: C5	5 1-124-477-11 7 1-163-129-00 8 1-163-137-00 9 1-124-927-11		20% 5% 10% 20%	16V 50V 50V 50V 25V		8-729-900-98 8-729-800-68 8-729-800-68 8-729-800-68	TRANSISTOR TRANSISTOR TRANSISTOR	DTC143TK 2SB815B6 2SB815B6		
C5: C5: C5: C5:	2 1-163-038-00 3 1-163-038-00 4 1-163-038-00 5 1-163-038-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF		25V 25V 25V 25V 25V	R01 R02 R04 R05	1-218-326-11 1-216-065-00 1-218-326-11 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470	5% 1/ 1/2 5% 1/	10W 2W 10W
C5; C5; C5;	9 1-163-141-00	CERAMIC CHIP 0.001M CERAMIC CHIP 0.001M CERAMIC CHIP 0.001M NECTOR>	F 10%	50V 50V 50V	R06 R07 R08 R09 R13 R14	1-216-049-00 1-216-025-00 1-216-037-00 1-216-091-00 1-216-025-00 1-216-025-00	METAL GLAZE	100 330 56K	5% 1/5% 1/5% 1/5% 1/5% 1/5% 1/5%	10W 10W 10W 10W 10W
CN' CN'		CONNECTOR, BOARD TO CONNECTOR, BOARD TO PIN, CONNECTOR (5MM				1-216-121-00 1-216-055-00 1-216-049-00 1-216-065-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1M 1.8K 1K 4.7K	5% 1/: 5% 1/:	10W 10W 10W 10W 10W
ር ሞ (MMER>	1 01110		!	1-216-043-00	METAL GLAZE			10 W
CI	OI 1-141-392-11 <dio< td=""><td>CAP, VAR, TRIMMER (</td><td>1 GANG)</td><td></td><td>R27 R28 R29</td><td>1-216-043-00 1-216-013-00 1-216-013-00 1-216-013-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>33 33 33</td><td>5% 1/1 5% 1/1 5% 1/1</td><td>10W 10W</td></dio<>	CAP, VAR, TRIMMER (1 GANG)		R27 R28 R29	1-216-043-00 1-216-013-00 1-216-013-00 1-216-013-00	METAL GLAZE METAL GLAZE METAL GLAZE	33 33 33	5% 1/1 5% 1/1 5% 1/1	10 W 10 W
DO: DO: DO: DO: DO:	8-719-400-47 8-719-400-95 8-719-914-43 8-719-420-42	DIODE MA3056M DIODE MA3130L DIODE DAN202K DIODE MA3036H DIODE MA3068M			R30 R31 R32 R33 R34 R37	1-218-325-11 1-218-325-11 1-218-325-11 1-216-023-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	120 120 120 82 1K 100	5% 1/1	1 V
DO8 DO9 D10 D11 D12	9 8-719-914-43 0 8-719-914-43 1 8-719-914-44	DIODE MA3068M DIODE DAN202K DIODE DAN202K DIODE DAP202K DIODE DAP202K			R38 R40 R41 R43 R44	1-216-047-00 1-216-065-00 1-216-041-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820 4.7K 470 4.7K 470		LOW
	<1 C >				R45 R46	1-216-049-00 1-216-311-00	METAL GLAZE METAL GLAZE	1K 6.8	5% 1/1 5% 1/1	10 W
IC:	8-759-972-96	IC MAB8461P-W136 IC SAA5231-V6			R51 R52 R53	1-216-065-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 4.7K	5% 1/1 5% 1/1 5% 1/1 5% 1/1 5% 1/1	10 W
1 C 3		IC SAA5243E IC TMM2063P-70			R54 R55 R56	1-216-065-00 1-216-057-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 2.2K 4.7K	5% 1/1 5% 1/1 5% 1/1	0W

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						V	H	J2	J1
REF.NO. PART NO.	DESCRIPTION	RE	MARK	REF.NO.	PART NO.	DESCRIPTION	N		REMARK
R57 1-216-065-00 R58 1-216-049-00 R59 1-216-063-00 R60 1-216-063-00 R61 1-216-071-00	METAL GLAZE 1K 5% METAL GLAZE 2K 5% METAL GLAZE 3.9K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		J1499	1-507-806-00	JACK 			
R62 1-216-065-00 R63 1-216-065-00 R64 1-216-065-00 R65 1-216-065-00 R66 1-216-065-00	METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1499	1-247-708-11 1-247-708-11	CARBON CARBON	470 5% 470 5%	1/4W 1/4W	*******
R67 1-216-065-00 R68 1-216-065-00	METAL GLAZE 4.7K 5%	1/10W 1/10W 1/10W			*A-1388-080-A	J1 BOARD, CO			
< VAI	RIABLE RESISTOR>			C202	1-124-902-00	ELECT	0.47MF	20%	FOU
RV01 1-238-009-11	RES, ADJ, CARBON 220			C202 C203 C204 C206 C208	1-124-477-11 1-124-902-00 1-124-477-11 1-102-110-00	ELECT ELECT ELECT CERAMIC	0.47MF 47MF 0.47MF 47MF 220PF	20% 20% 20% 20% 10%	50V 16V 50V 16V 50V
<cry< td=""><td>YSTAL></td><td></td><td></td><td>C213</td><td>1-126-233-11</td><td>ELECT</td><td>22MF</td><td>20%</td><td>50V</td></cry<>	YSTAL>			C213	1-126-233-11	ELECT	22MF	20%	50V
X02 1-567-495-21 X03 1-577-082-11	OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL VIBRATOR, CERAMIC			C214 C216	1-130-481-00 1-102-110-00 1-124-902-00 1-136-157-00	MYLAR	0.0068MF 220PF 0.47MF 0.022MF	107 107 207 107	50V 50V 50V 50V
		•	*****	C219	1-136-157-00		0.022MF	10%	50V
*1-627-728-11 *4-390-706-01	******			C220 C221 C222 C223	1-130-477-00 1-130-477-00 1-136-157-00 1-136-157-00		0.0033MF 0.0033MF 0.022MF 0.022MF	107 107 107 107	50V 50V 50V 50V
<00	NNECTOR>			C224	1-136-153-00		0.01MF	10%	50V
CNHO1 *1-564-523-11 CNHO2 *1-564-520-11	PLUG, CONNECTOR 8P			C225 C226 C227 C228	1-136-173-00 1-136-173-00 1-136-157-00 1-136-159-00		0.47MF 0.47MF 0.022MF 0.033MF	5% 5% 10% 10%	50V 50V 50V 50V
<010	DBE>			C229 C230	1-136-155-00 1-136-155-00		0.015MF 0.015MF	107 107	50V 50V
D1001 8-719-800-94 D1002 8-719-812-41 D1003 8-719-812-41	DIODE TLUR144 DIODE TLR124 DIODE TLR124			C231 C232 C233	1-124-902-00 1-123-875-11 1-102-114-00	ELECT ELECT	0.47MF 10MF 470PF	201 201 101	50V 50V 50V
D1004 8-719-812-41 D1005 8-719-812-41	DIODE TLR124			C234 C236 C237 C238 C239	1-102-114-00 1-124-902-00 1-124-902-00 1-102-978-00 1-126-103-11	ELECT ELECT	470PF 0.47MF 0.47MF 220PF 470MF	107 207 207 5% 207	50V 50V 50V 50V 16V
IC1001 8-749-900-36			į	C240	1-130-481-00	MYLAR	0.0068MF	107	50V
<swi< td=""><td>TCH></td><td></td><td></td><td>C1401 C1402 C1403</td><td>1-123-875-11 1-126-103-11 1-102-114-00 1-124-902-00</td><td>ELECT</td><td>10MF 470MF 470PF 0.47MF</td><td>207 207 107 207</td><td>50V 16V 50V 50V</td></swi<>	TCH>			C1401 C1402 C1403	1-123-875-11 1-126-103-11 1-102-114-00 1-124-902-00	ELECT	10MF 470MF 470PF 0.47MF	207 207 107 207	50V 16V 50V 50V
\$1003 1-554-937-11 \$1004 1-554-937-11	SWITCH, KEY BOARD SWITCH, KEY BOARD SWITCH, KEY BOARD		1 1 2 2 8 8 8	C1405 C1406 C1407	1-101-003-00 1-124-902-00 1-123-875-11	CERAMIC ELECT ELECT	0.0047MF 0.47MF 10MF	207	50V 50V 50V
S1005 1-554-937-11	SWITCH, KET BUAKU			C1408	1-126-101-11 1-126-233-11	ELECT ELECT	100MF 22MF	20% 20%	16V 50V
*1-627-736-11			* * * * * 	C1413 C1414 C1415	1-124-477-11 1-124-477-11 1-123-875-11 1-124-902-00 1-124-902-00	ELECT	47MF 47MF 10MF 0.47MF 0.47MF	201 201 201 201 201 201	16V 16V 50V 50V 50V
<com< td=""><td>INECTOR></td><td></td><td>}</td><td></td><td>1-124-477-11</td><td></td><td>47MF</td><td>20%</td><td>16V</td></com<>	INECTOR>		}		1-124-477-11		47MF	20%	16V
CNJ23 *1-564-523-11			 	C1418 C1419 C1421	1-102-114-00 1-102-114-00	CERAMIC CERAMIC ELECT	47MF 470PF 470PF 47MF 0.022MF	102 102 102 202 102	50V 50V 16V 50V

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REF. NO	D. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
C1424 C1425 C1426 C1427 C1428	1-124-902-00 1-101-003-00	ELECT	0.022MF 0.47MF 0.47MF 0.0047MF 0.0047MF	10% 20% 20%	50V 50V 50V 50V 50V	R207 R208 R209 R210 R211	1-249-423-11 1-249-431-11 1-249-433-11 1-249-431-11 1-249-441-11	CARBON CARBON CARBON	3.3K 15K 22K 15K 100K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
C1429 C1430 C1431 C1432 C1433	1-102-114-00 1-124-902-00 1-124-902-00	CERAMIC ELECT FLECT	0.0047MF 470PF 0.47MF 0.47MF 100MF	10% 10% 20% 20% 20%	50V 50V 50V 50V 16V	R212 R213 R214 R215 R216	1-249-433-11 1-249-431-11 1-249-409-11 1-249-433-11 1-249-433-11	CARBON CARBON CARBON	22K 15K 220 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
C1450	1-123-875-11	ELECT	10MF	20%	50V	R217 R218 R219	1-249-431-11 1-249-409-11 1-249-429-11	CARBON CARBON	15K 220 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
CN IO1	1-561-534-41	CUCKET 31D				R221	1-249-425-11 1-249-417-11	CARBON CARBON	4.7K 1K	5% 5%	1/4W 1/4W	
CNJ02 CNJ03 CNJ04 CNJ21	1-126-101-11 1-123-875-11 1-123-875-11 1-123-875-11 1-561-534-41 1-561-534-41 1-566-641-11 1-536-996-11 *1-566-641-11 *1-564-517-11 *1-564-517-11 *1-564-517-11 *1-564-517-10-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04	SOCKET 21P CONNECTOR, H TERMINAL BOAK CONNECTOR, H	INGE (TAB) 1 RD, INPUT/OU INGE (TAB) 1	8P TPUT 8P		R222 R223 R224 R225	1-249-417-11 1-249-413-11 1-249-413-11 1-249-393-11 1-249-413-11	CARBON CARBON CARBON	1K 470 470 10 470	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F
CNJ22	*1-564-517-11	PLUG, CONNEC	TOR 2P			R227	1-249-417-11		470 1K		1/4W 1/4W	
D201	<dio 8-719-110-14</dio 	DE>	S-B3			R228 R229 R231 R232	1-249-417-11 1-249-437-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	1K 47K 220 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
D202 D1401 D1403 D1404	8-719-110-14 8-719-110-04 8-719-110-04 8-719-110-04	DIODE RD9.16: DIODE RD7.56: DIODE RD7.56: DIODE RD7.56:	S-B3 S-B3 S-B3 S-B3			R1401 R1402 R1403	1-247-804-11 1-247-804-11 1-249-437-11 1-249-413-11	CARBON CARBON CARBON	75 75 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
D1405 D1406 D1407 D1408	8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-14	DIODE RD7.5ES DIODE RD7.5ES DIODE RD7.5ES DIODE RD9.1ES	S-B3 S-B3 S-B3 S-B3			R1405 R1406 R1407	1-249-429-11 1-249-427-11 1-247-895-00	CARBON CARBON	470 10K 6.8K 470K		1/4W 1/4W 1/4W 1/4W	
D1409	8-719-110-04	DIODE RD7.5ES	S-B3			R1408 R1409	1-249-434-11 1-249-413-11	CARBON	27K 470	5% 5% 5% 5%	1/4W 1/4W 1/4W	
D1418 D1419 D1421 D1422	8-719-110-04 8-719-110-04 8-719-110-04 8-719-110-04	DIODE RD7.5ES DIODE RD7.5ES DIODE RD7.5ES	5-B3 5-B3 5-B3			R1410 R1411 R1412	1-249-434-11 1-249-413-11 1-249-437-11	CARBON CARBON CARBON	27K 470 47K	5%	1/4W 1/4W 1/4W	
D1425	8-719-110-04	DIODE RD7 5F9	;-B3			R1413 R1414	1-247-895-00 1-249-437-11	CARBON	470K 47K	5% 5% 5% 5%	1/4W 1/4W	
		71073 ND1. 300	, 03		1	R1415	1-249-434-11 1-249-434-11		27K 27K		1/4W 1/4W	
IC201 IC1401 IC1402	<1C> 8-759-013-17 8-752-032-27 8-759-946-32	IC TDA6200 IC CXA1114P				R1419	1-249-409-11	CARBON	75 82 220 220	5% 5% 5% 5%	1/4W	F
101102	0 133 340 32	10 12/14/1					1-249-409-11 1-249-409-11	CARBON CARBON	220 220	5%	1/4W 1/4W	
L1401	<011 1-459-407-00 1-459-407-00	L> COIL. FERRITE	СНОКЕ			R1423 R1424	1-249-434-11 1-249-434-11	CARBON CARBON CARBON	27K 27K 27K 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	∠™ D. A.1	IC I CEON			į	R1427	1-249-416-11 1-249-416-11	CARBON CARBON	820 820	5% 5%	1/4W 1/4W	
0201	8-729-117-54	VSISTOR> Transistor 2s	A1175			R1429	1-247-895-00 1-247-895-00 1-247-804-11	CARBON CARBON CARBON	470K 470K 75	5% 5% 5%	1/4W 1/4W 1/4W	
Q202 Q1401 Q1402 Q1405	8-729-117-54 8-729-117-54 8-729-117-54 8-729-117-54	TRANSISTOR 2S TRANSISTOR 2S	A1175 A1175			R1433 R1434 R1437	1-249-405-11 1-249-393-11 1-249-429-11	CARBON CARBON CARBON	100 10	5% 5%	1/4W 1/4W 1 1/4W 1	7
	<pre><pre><pre><pre></pre></pre></pre></pre>	STOR>				R1438	1-249-427-11 1-249-417-11	CARBON CARBON	6.8K 1K	5% 5% 5%	1/4W 1/4W	
R201	1-249-437-11		47K 5%	1/4W	į		1-249-437-11 1-249-437-11	CARBON CARBON	47K 47K	5% 5%	1/4W 1/4W	
R202 R204 R205 R206	1-249-425-11	CARBON CARBON CARBON	47K 5% 4.7K 5% 33K 5% 33K 5% 3.3K 5%	1/4W 1/4W 1/4W 1/4W		R1445		CARBON	82K	5% 5%	1/4W 1/4W 1/4W	

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

J1



REF.NO. PART NO.	DESCRIPTION		REMARK		PART NO.	DESCRIPTION	REMARK
R1448 1-249-409-1 R1449 1-247-804-1 R1450 1-247-804-1 R1451 1-247-804-1 R1455 1-247-804-1	DESCRIPTION	1/4W 1/4W 1/4W 1/4W 1/4W		10601	1-236-237-11	OULE> PQWER MODULE (DM-38)	
R1456 1-249-409-11 R1457 1-249-409-11 R1459 1-249-413-11	CARBON 220 5% CARBON 220 5%	1/4W 1/4W 1/4W	*******	LUUJ	1-421-329-00	INDUCTOR MICRO 6.8UH COIL, CHOKE FERRITE BEAD INDUCTOR 1.1UH	
1-413-380-1	G BOARD (ZD-109)			L607 L609 L610	1-410-397-21 1-410-397-21 1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH	
	PACITOR>			L613 L615 L616	1-459-155-00	FERRITE BEAD INDUCTOR 1.1UH COIL (WITH CORE) 45UH COIL (WITH CORE) 45UH	
	FILM 0.047MF FILM 0.047MF PP FILM 0.15MF	10% 5% 5% 5% 5%	400V 1.25KV 1.25KV 100V 100V	L617 L618	1-459-155-00 1-459-155-00	COIL (WITH CORE) 45UH COIL (WITH CORE) 45UH	
C606 1-164-143-91	CERAMIC 1000PF	10%	1KV	0.01		NSISTOR>	
C607 1-164-143-91 C608 1-164-143-91 C609 1-164-144-91 C610 1-164-143-91	CERAMIC 1000PF CERAMIC 1500PF	10% 10% 10% 10%	1KV 1KV 1KV 1KV	Q601 Q602 Q603 Q604	8-729-905-73 8-729-178-54	TRANSISTOR 2SC4056R TRANSISTOR 2SC4056R TRANSISTOR 2SC2785 TRANSISTOR 2SC2785	
C611 1-102-038-00 C612 1-108-843-11 C613 1-124-477-11	PE TEREPHTHALATE O OSSM	F 10% 20%	500V 50V 16V		<res< td=""><td>ISTOR></td><td></td></res<>	ISTOR>	
C614 1-126-176-13 C615 1-123-380-00 C616 1-124-557-13	ELECT 220MF ELECT 1MF	20% 20% 20%	6.3V 50V 25V	R601 R602 R605 R606	1-215-90/-11	METAL OXIDE FILM 100K 5% 2W METAL OXIDE FILM 100K 5% 2W RES, WIRE 10 10% 1/2W RES, WIRE 10 10% 1/2W	
C618 1-124-439-51 C619 1-124-557-11 C620 1-124-568-00	ELECT 2700MF ELECT 1000MF	20% 20% 20% 20%	25V 25V 10V	R607	1-216-370-11	METAL UXIDE FILM 1.2 5% 2W	
C621 1-124-347-00	PF TEREPHTHALATE 0.033M CERAMIC 330PF	20%	160V 50V 2KV 6.3V	R609	1-249-405-11 1-249-405-11 1-249-417-11	CARBON (SMALL) 100 5% 1/4W CARBON (SMALL) 100 5% 1/4W CARBON 1K 5% 1/4W CARBON (SMALL) 1.2 5% 1/4W	
	ODE>			R614	1-249-405-11	CARBON(SMALL) 27 5% 1/4W CARBON(SMALL) 100 5% 1/4W METAL OXIDE FILM 0.33 5% 2W	
D601 8-719-500-69	DIODE S3V10SS			R616	1-216-363-00	METAL OXIDE FILM 0.33 5% 2W RES, WIRE 33 10% 1/2W	
D603 8-719-500-26	DIODE DIOSCAMR			R618 R619 R620 R621	1-207-451-00 1-249-417-11 1-249-407-11 1-249-405-11	RES, WIRE 10 10% 1/2W CARBON 1K 5% 1/4W CARBON(SMALL) 150 5% 1/4W CARBON(SMALL) 100 5% 1/4W	
D607 8-719-300-33 D608 8-719-300-33 D609 8-719-500-67						NSFORMER>	
D610 8-719-911-19					1-424-023-11	TRANSFORMER, LINE FILTER TRANSFORMER, POWER REGULATION	
D613 8-719-911-19	D10DE 1SS119 D10DE 1SS119 D10DE 1SS119			T603 ⚠	1-424-169-11	TRANSFORMER, POWER INSULATED	******
D615 8-719-981-00 D616 8-719-911-55	DIODE ERBSI-004 DIODE UOSG					ELLANEOUS	
<00	NNECTOR>			A	1-413-380-11	REGULATOR, SWITCHING (ZD-109) RESISTOR ASSY, HIGH-VOLTAGE	
G2 *1-508-767-00 G3 *1-564-507-11	PIN, CONNECTOR (5MM PITO PIN, CONNECTOR (5MM PITO PLUG, CONNECTOR 4P PLUG, CONNECTOR 3P	CH) 3P CH) 5P		7805 Å.	1-238-368-11 1-439-443-11	RESISTOR ASSY, HIGH-VOLTAGE TRANSFORMER ASSY, FLYBACK NECK ASSY, PICTURE TUBE (NA-308)	
						DEFLECTION YOKE (SY-191B) MAGNET, DISK; 10MM Ø	

KV-FX29TD RM-681

The components identified by shading and mark $\hat{\Delta}$ are critical for safety.

Replace only with part number specified.

REF. NO. PART NO.

DESCRIPTION

REMARK

1-452-094-00 MAGNET, ROTATABLE DISK; 15MM ø ▲ 1-574-299-11 CORD, POWER (WITH CONNECTOR)

L901 A 1-426-398-11 COIL, DEMAGNETIZATION V901 A 8-733-821-05 PICTURE TUBE (A68JYK10X)

ACCESSORIES AND PACKING MATERIALS

PART NO.

DESCRIPTION

REMARK

A-1470-859-A COMMANDER ASSY (RM-681)
1-574-071-11 CORD (WITH PLUG)
3-786-575-11 MANUAL, INSTRUCTION
*4-380-432-01 BAG, PROTECTION
*4-390-743-01 CUSHION (UPPER) (ASSY)
*4-390-744-01 CUSHION (LOWER) (ASSY)
*4-390-749-01 INDIVIDUAL CARTON